#### Product Information

Common features of Delrin® acetal resins include mechanical and physical properties such as high mechanical strength and rigidity, excellent fatigue and impact resistance, as well as resistance to moisture, gasoline, lubricants, solvents, and many other neutral chemicals. Delrin® acetal resins also have excellent dimensional stability and good electrical insulating characteristics. They are naturally resilient, self-lubricating, and available in a variety of colors and speciality grades.

Delrin® acetal resin typically is used in demanding applications in the automotive, domestic appliances, sports, industrial engineering, electronics, and consumer goods industries.

#### Delrin® 900P is a general purpose low viscosity acetal homopolymer for multicavity and thin wall molding with improved processing thermal stability and low VOC emissions.

General information	Value	Unit	Test Standard
Resin Identification	POM		ISO 1043
Part Marking Code		-	ISO 11469
Rheological properties	Value		Test Standard
Melt volume-flow rate			ISO 1133
Temperature	190	°C	ISO 1133
Load	2.16	-	ISO 1133
Melt mass-flow rate		g/10min	ISO 1133
Melt mass-flow rate, Temperature	190	°C	ISO 1133
Melt mass-flow rate, Load	2.16	-	ISO 1133
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage, normal	1.9	%	ISO 294-4, 2577
Mechanical properties	Value		Test Standard
Tensile Modulus		MPa	ISO 527-1/-2
Yield stress		MPa	ISO 527-1/-2
Yield strain	12	%	ISO 527-1/-2
Nominal strain at break	23	%	ISO 527-1/-2
Flexural Modulus	3000	MPa	ISO 178
Tensile creep modulus			ISO 899-1
1h	2800	MPa	
1000h	1500	MPa	
Charpy impact strength	1000		ISO 179/1eU
73°F	200	kJ/m²	
-22°F		kJ/m <sup>2</sup>	
Charpy notched impact strength			ISO 179/1eA
73°F	7.5	kJ/m²	
-22°F		kJ/m <sup>2</sup>	
Izod notched impact strength			ISO 180/1A
73°F	7	kJ/m²	
-40° F	8	kJ/m <sup>2</sup>	
Ball indentation hardness, H 961/30	170	MPa	ISO 2039-1
Hardness, Rockwell, M-scale		-	ISO 2039-2
Hardness, Rockwell, R-scale		-	ISO 2039-2
Coefficient of sliding friction, 1h against itself	0.25	-	ASTM 1894
Thermal properties	Value	Unit	Test Standard
Melting temperature, 18°F/min	178	°C	ISO 11357-1/-3
Temp. of deflection under load			ISO 75-1/-2
260 psi	94	°C	
65 psi	162		
Vicat softening temperature, 90°F/h, 11 lbf	160	°C	ISO 306
Coeff. of linear therm. expansion, parallel		E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion			
normal	120	E-6/K	ISO 11359-1/-2
Parallel, 23-55°C(73-130°F)		E-6/K	ASTM E 831

#### Revised: 2018-03-23

#### To find out more, visit DuPont Performance Polymers or contact nearest DuPont location.

Asia Pacific

#### North America

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RTI, electrical			UL 746B
30mil	50	°C	
60mil	110	°C	
120mil	110	°C	
RTI, impact			UL 746B
30mil	50	°C	
60mil	85	°C	
120mil	90	°C	
RTI, strength			UL 746B
30mil	50	°C	
60mil	90	°Č	
120mil	95	°Č	
Flammability	Value		Test Standard
Burning Behav. at 60mil nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5		IEC 60695-11-10
UL recognition	yes	-	UL 94
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8		IEC 60695-11-10
UL recognition		-	UL 94
Oxygen index	yes 23	- //	ISO 4589-1/-2
75	23	70	
Glow Wire Flammability Index	550	° <b>-</b>	IEC 60695-2-12
40mil	550	°C	
80mil		°C	
120mil	550	°C	
Hot Wire Ignition, 30mil	8 <sup>[1]</sup>		UL 746A
FMVSS Class	В	-	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	20	mm/min	ISO 3795 (FMVSS 302)
1: 0.75mm			
Electrical properties	Value	Unit	Test Standard
Electrical properties Relative permittivity	Value	Unit	Test Standard IEC 62631-2-1
		Unit	
Relative permittivity		-	
Relative permittivity 100Hz	3.8 3.8	-	
Relative permittivity 100Hz 1MHz	3.8 3.8 50	-	IEC 62631-2-1
Relative permittivity 100Hz 1MHz Dissipation factor, 1MHz Volume resistivity	3.8 3.8 50	- - E-4 Ohm*m	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1
Relative permittivity 100Hz 1MHz Dissipation factor, 1MHz Volume resistivity Surface resistivity	3.8 3.8 50 1E12 >1E15	- - E-4 Ohm*m	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2
Relative permittivity 100Hz 1MHz Dissipation factor, 1MHz Volume resistivity Surface resistivity Comparative tracking index	3.8 3.8 50 1E12 >1E15 600	- E-4 Ohm*m Ohm	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112
Relative permittivity 100Hz 1MHz Dissipation factor, 1MHz Volume resistivity Surface resistivity Comparative tracking index Other properties	3.8 3.8 50 1E12 >1E15 600 Value	- E-4 Ohm*m Ohm - Unit	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard
Relative permittivity 100Hz 1MHz Dissipation factor, 1MHz Volume resistivity Surface resistivity Comparative tracking index Other properties Humidity absorption, 80mil	3.8 3.8 50 1E12 >1E15 600 Value 0.4	- E-4 Ohm*m Ohm - Unit %	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62
Relative permittivity 100Hz 1MHz Dissipation factor, 1MHz Volume resistivity Surface resistivity Comparative tracking index Other properties Humidity absorption, 80mil Water absorption, 80mil	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4	- E-4 Ohm*m Ohm - Unit %	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420	- E-4 Ohm*m Ohm - Unit % kg/m <sup>3</sup>	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8	- E-4 Ohm*m Ohm - Unit % kg/m <sup>3</sup> Unit mg/kg	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg %	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes	- E-4 Ohm*m Ohm - Unit % kg/m <sup>3</sup> Unit mg/kg % mg Unit -	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 Test Standard -
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Temperature	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Temperature         Drying Time, Dehumidified Dryer	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80 2.4	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C h	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 ISO 6452 Test Standard -
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Time, Dehumidified Dryer         Processing Moisture Content	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80 2 - 4 ≤0.2	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C h	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 Test Standard - -
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Time, Dehumidified Dryer         Processing Moisture Content         Melt Temperature Optimum	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80 2 - 4 ≤0.2 215	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C h % °C	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 ISO 6452 Test Standard -
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Temperature         Drying Time, Dehumidified Dryer         Processing Moisture Content         Melt Temperature         Min. melt temperature	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80 2 - 4 ≤0.2 215 210	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C h % °C	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 Test Standard - - - -
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Time, Dehumidified Dryer         Processing Moisture Content         Melt Temperature         Max. melt temperature	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80 2 - 4 ≤0.2 215 210 220	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C h % °C °C °C	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 Test Standard - - - - -
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Temperature         Drying Time, Dehumidified Dryer         Processing Moisture Content         Melt Temperature         Max. melt temperature         Max. melt temperature         Mold Temperature Optimum	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80 2 - 4 ≤0.2 215 210 220 90	- E-4 Ohm*m Ohm - Unit % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C h % °C °C °C	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 Test Standard - - - -
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Temperature         Drying Time, Dehumidified Dryer         Processing Moisture Content         Melt Temperature Optimum         Min. melt temperature         Max. melt temperature         Max. melt temperature         Mold Temperature Optimum         Min. mold temperature	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80 2 - 4 ≤0.2 215 210 220 90 80	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C h % °C °C °C °C °C	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 Test Standard - - - - -
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Temperature         Drying Time, Dehumidified Dryer         Processing Moisture Content         Melt Temperature         Max. melt temperature         Max. melt temperature         Mold Temperature Optimum         Min. mold temperature         Max. mold temperature	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80 2 - 4 ≤0.2 215 210 220 90 80 100	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C h % °C °C °C °C °C	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 Test Standard - - - - -
Relative permittivity         100Hz         1MHz         Dissipation factor, 1MHz         Volume resistivity         Surface resistivity         Comparative tracking index         Other properties         Humidity absorption, 80mil         Water absorption, 80mil         Density         VDA Properties         Emissions         Fogging, F-value (refraction)         Fogging, G-value (condensate)         Injection         Drying Recommended         Drying Temperature         Drying Time, Dehumidified Dryer         Processing Moisture Content         Melt Temperature Optimum         Min. melt temperature         Max. melt temperature         Max. melt temperature         Mold Temperature Optimum         Min. mold temperature	3.8 3.8 50 1E12 >1E15 600 Value 0.4 1.4 1420 Value <8 95 0.2 Value yes ≥80 2 - 4 ≤0.2 215 210 220 90 80	- E-4 Ohm*m Ohm - Unit % % kg/m <sup>3</sup> Unit mg/kg % mg Unit - °C h % °C °C °C °C °C	IEC 62631-2-1 IEC 62631-2-1 IEC 62631-3-1 IEC 62631-3-2 IEC 60112 Test Standard Sim. to ISO 62 Sim. to ISO 62 ISO 1183 Test Standard VDA 275 ISO 6452 ISO 6452 Test Standard - - - - -

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	8 s/mm -			
	30 min/mm -			
	160 °C -			
<ul> <li>Injection Molding</li> </ul>				
Pellets				
Lubricants	Release agent			
<ul> <li>North America</li> </ul>	Asia Pacific	<ul> <li>Near East/Africa</li> </ul>		
Europe	<ul> <li>South and Central America</li> </ul>	• Global		
	Pellets     Lubricants     North America	30       min/mm       -         160       °C       -         • Injection Molding       -         • Pellets       -         • Lubricants       • Release agent         • North America       • Asia Pacific		

#### Processing Texts

#### Injection molding

Drying is recommended, but not necessary for newly opened packaging stored in a dry location.

Follow the drying guidelines above in the following cases:

- · If moisture is above the Processing Moisture Content recommendation,
- $\cdot$  When a resin container is damaged,
- $\cdot$  When the material is not properly stored in a dry place at room temperature, or
- $\cdot$  When packaging stays open for a significant time.

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North America

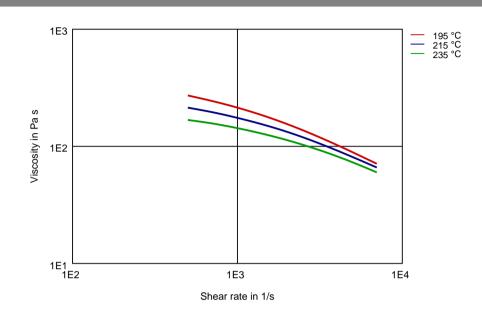
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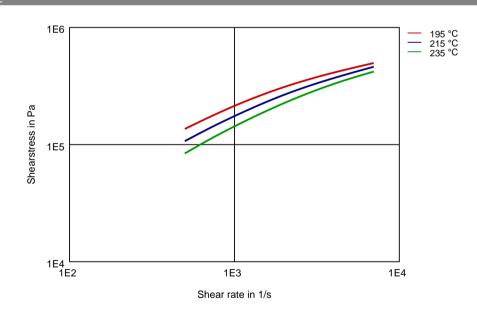


Diagrams

Viscosity-shear rate



Shearstress-shear rate



Europe/Middle East/Africa

Revised: 2018-03-23

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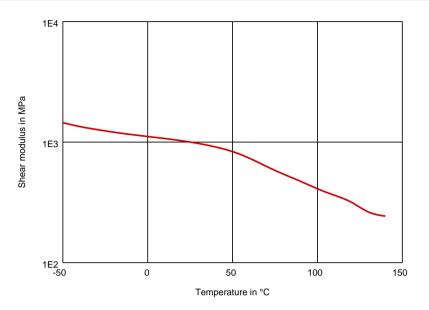
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Dynamic Shear modulus-temperature



Revised: 2018-03-23

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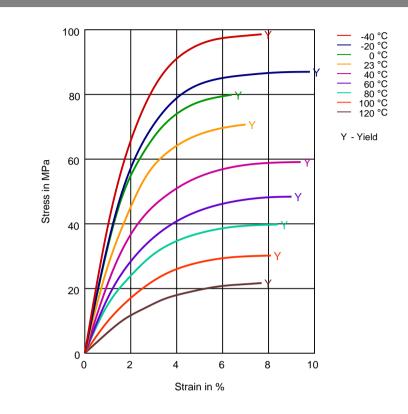
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Stress-strain



Revised: 2018-03-23

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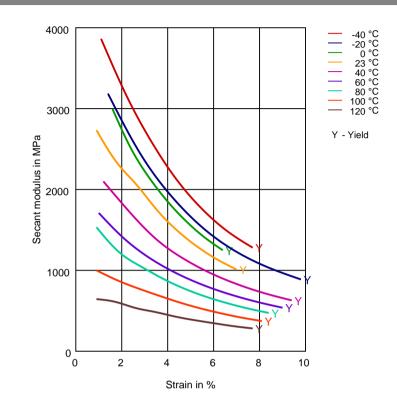
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Secant modulus-strain



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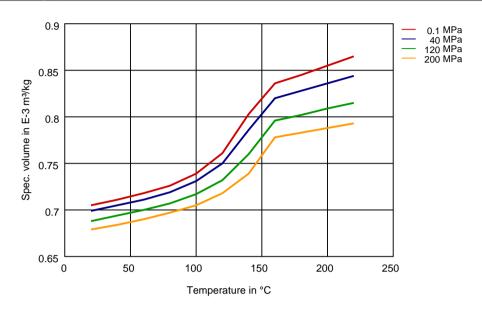
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North America Asia Pacific

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### Specific volume-temperature (pvT)



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hemical Media Resistance	
cids	
Acetic Acid (5% by mass) (23°C)	
<ul> <li>Citric Acid solution (10% by mass) (23°C)</li> </ul>	
Lactic Acid (10% by mass) (23°C) Hydrochloric Acid (36% by mass) (23°C) Nitric Acid (40% by mass) (23°C) Sulfuric Acid (38% by mass) (23°C) Sulfuric Acid (5% by mass) (23°C) Chromic Acid solution (40% by mass) (23°C)	
Nitric Acid (40% by mass) (23°C)	
Sulfuric Acid (38% by mass) (23°C)	
Sulfuric Acid (5% by mass) (23°C)	
Chromic Acid solution (40% by mass) (23 °C)	
ases	
Sodium Hydroxide solution (35% by mass) (23°C)	
Sodium Hydroxide solution (1% by mass) (23°C)	
Ammonium Hydroxide solution (10% by mass) (23°C)	
cohols	
Isopropyl alcohol (23°C)	
Methanol (23°C)	
Ethanol (23°C)	
vdrocarbons	
n-Hexane (23°C)	
Toluene (23°C)	
iso-Octane (23°C)	
etones	
Acetone (23°C)	
hers	
Diethyl ether (23°C)	
neral oils	
SAE 10W40 multigrade motor oil (23°C)	
🗙 SAE 10W40 multigrade motor oil (130°C)	
X SAE 80/90 hypoid-gear oil (130°C)	
Insulating Oil (23°C)	
andard Fuels	
ISO 1817 Liquid 1 - E5 (60°C)	
ISO 1817 Liquid 2 - M15E4 (60°C)	
ISO 1817 Liquid 3 - M3E7 (60°C)	
ISO 1817 Liquid 4 - M15 (60°C)	
Standard fuel without alcohol (pref. ISO 1817 Liquid C) (23°C)	
Standard fuel with alcohol (pref. ISO 1817 Liquid 4) (23°C)	
Standard fuel with alcohol (pref. ISO 1817 Liquid 4) (23°C)	
Standard fuel with alcohol (pref. ISO 1817 Liquid 4) (23°C)	Page: 9 (

DONGGUAN FUMEI PLASTICS CO.,LTD. EMAIL: fumei@foomx.com Europe/Middle East/Afri TEL: +86 0769-82339888 / 87798999 **OUPOND**®

Diesel fuel (pref. ISO 1817 Liquid F) (23°C)

Diesel fuel (pref. ISO 1817 Liquid F) (90°C)

Diesel fuel (pref. ISO 1817 Liquid F) (>90°C)

#### Salt solutions

Sodium Chloride solution (10% by mass) (23°C)

Sodium Hypochlorite solution (10% by mass) (23°C)

Sodium Carbonate solution (20% by mass) (23°C)

- Sodium Carbonate solution (2% by mass) (23°C)
- Zinc Chloride solution (50% by mass) (23°C)

Ethyl Acetate (23°C)
Hydrogen peroxide (23°C)
DOT No. 4 Brake fluid (130°C)
Ethylene Glycol (50% by mass) in water (108°C)
1% nonylphenoxy-polyethyleneoxy ethanol in water (23 $^\circ\text{C})$
50% Oleic acid + 50% Olive Oil (23°C)
Water (23°C)
Water (90°C)
Phenol solution (5% by mass) (23°C)

### Symbols used:

possibly resistant

Defined as: Supplier has sufficient indication that contact with chemical can be potentially accepted under the intended use conditions and expected service life. Criteria for assessment have to be indicated (e.g. surface aspect, volume change, property change).

### X not recommended - see explanation

Defined as: Not recommended for general use. However, short-term exposure under certain restricted conditions could be acceptable (e.g. fast cleaning with thorough rinsing, spills, wiping, vapor exposure).

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc. ISO Mechanical properties measured at 160 mil (Hytrel® measured at 80 mil), IEC Electrical properties measured at 80 mil, all ASTM properties measured at 120 mil, and test temperatures are 73°F unless otherwise stated.

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