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 ²	
Charpy notched impact strength			ISO 179/1eA
73°F	7.5	kJ/m²	
-22°F		kJ/m ²	
Izod notched impact strength			ISO 180/1A
73°F	7	kJ/m²	
-40° F	8	kJ/m ²	
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.

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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	° -	IEC 60695-2-12
40mil	550	°C	
80mil		°C	
120mil	550	°C	
Hot Wire Ignition, 30mil	8 ^[1]		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 ³	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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 ³ 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 -			
 Injection Molding 				
Pellets				
Lubricants	Release agent			
 North America 	Asia Pacific	 Near East/Africa 		
Europe	 South and Central America 	• 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

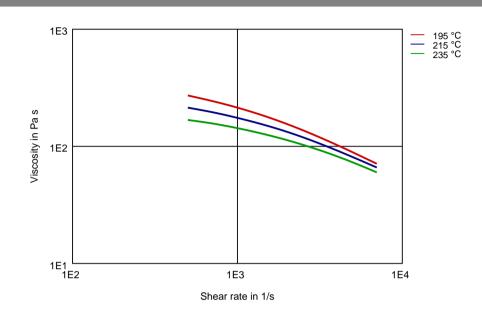
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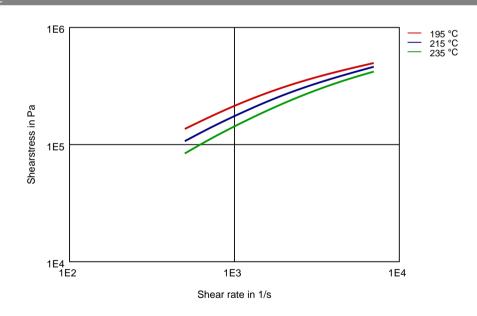


Diagrams

Viscosity-shear rate



Shearstress-shear rate



Europe/Middle East/Africa

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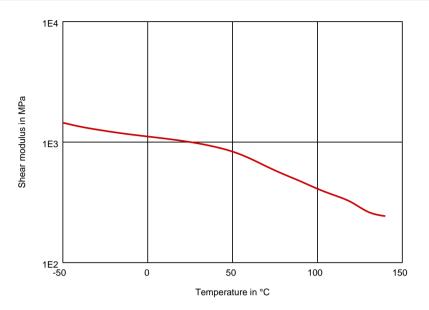
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Dynamic Shear modulus-temperature



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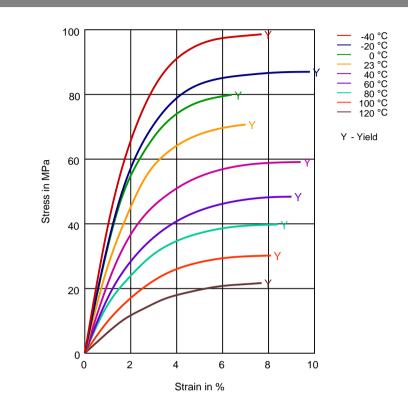
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Stress-strain



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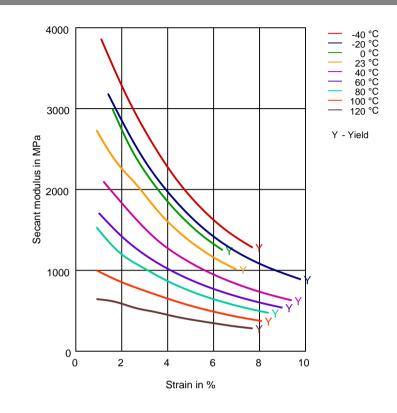
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Secant modulus-strain



Revised: 2018-03-23

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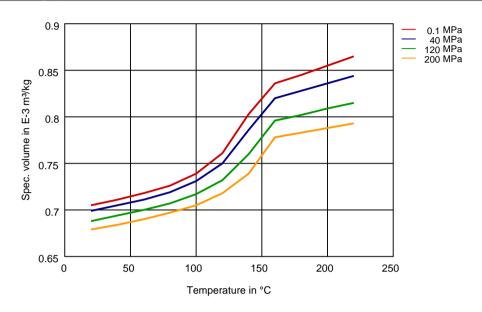
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Specific volume-temperature (pvT)



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hemical Media Resistance	
cids	
Acetic Acid (5% by mass) (23°C)	
 Citric Acid solution (10% by mass) (23°C) 	
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 (

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

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