

DuPont Performance Polymers Delrin® 300TE BK602 Acetal Homopolymer (Unverified Data**)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Delrin® 300TE BK602 is a medium-high viscosity toughened acetal homopolymer for injection molding with extremely low VOC emissions. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Delrin-300TE-BK602-Acetal-Homopolymer-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 190 °C	6.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa @Temperature 23.0 °C	7830 psi @Temperature 73.4 °F	ISO 527
Elongation at Break	33 % @Temperature 23.0 °C	33 % @Temperature 73.4 °F	nominal; ISO 527
Elongation at Yield	20 % @Temperature 23.0 °C	20 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	1.90 GPa @Temperature 23.0 °C	276 ksi @Temperature 73.4 °F	ISO 527
Charpy Impact, Notched	1.00 J/cm ² @Temperature -30.0 °C	4.76 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	1.80 J/cm ² @Temperature 23.0 °C	8.57 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	178 °C	352 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	72.0 °C	162 °F	ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	205 °C	401 °F	Optimum; Injection Molding
	200 - 210 °C	392 - 410 °F	Injection Molding
Mold Temperature	50.0 °C	122 °F	optimum; Injection Molding
	40.0 - 60.0 °C	104 - 140 °F	Injection Molding
Drying Temperature	80.0 °C	176 °F	
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	
Moisture Content	<= 0.050 %	<= 0.050 %	

Descriptive Properties	Value	Comments
Forms	Pellets	
Generic	Acetal (POM) Homopolymer	
Material Status	Preliminary Data	
Part Marking Code	>POM-I<	ISO 11469
Processing Method	Injection Molding	
Product Category	Low Emissions Resins	
	Toughened Resins	
Region Available - Global	Yes	
Resin Identification	POM-I	ISO 1043
RoHS Compliance	Contact Manufacturer	

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