

DuPont Performance Polymers Delrin® 127UV BK701 Acetal (POM) (Unverified Data**)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, Unreinforced

Material Notes:

UV Stabilized High Viscosity Acetal Homopolymer Delrin 127UV BK701 is a high viscosity UV stabilized acetal homopolymer. It has excellent impact strength UV resistance and thermal stability. It is well suited for automotive interior applications. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Delrin-127UV-BK701-Acetal-POM-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	2.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	71.5 MPa	10400 psi	ISO 527-1/-2
Elongation at Break	37 %	37 %	Nominal; ISO 527-1/-2
Elongation at Yield	22 %	22 %	ISO 527-1/-2
Tensile Modulus	3.00 GPa	435 ksi	ISO 527-1/-2
Flexural Modulus	2.80 GPa	406 ksi	ISO 178
Charpy Impact, Notched	1.30 J/cm ²	6.19 ft-lb/in ²	ISO 179/1eA
	1.00 J/cm ² @Temperature -30.0 °C	4.76 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	110 µm/m-°C	61.1 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	110 µm/m-°C	61.1 µin/in-°F	ISO 11359-1/-2
Melting Point	178 °C	352 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	162 °C	324 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	92.0 °C	198 °F	ISO 75-1/-2

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 0.800 mm	@Thickness 0.0315 in	ISO 11469-11-10

Descriptive Properties	Value	Comments
Additives	Release agent	
Delivery Form	Pellets	
Part Marking Code	>POM<	ISO 11469
Processing	Injection Moulding	
	Other Extrusion	
	Profile Extrusion	
	Sheet Extrusion	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	POM	ISO 1043
Special Characteristics	Light stabilised or stable to light	
	U.V. stabilised or stable to weather	
UL recognition	UL	

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