

DuPont Performance Polymers Delrin® 327UVE NC010 Acetal (POM) (Unverified Data**)

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

Material Notes:

UV Stabilized Medium-high Viscosity Acetal Homopolymer with Very Low Emissions Delrin 327UVE NC010 (formerly DE20554) is a medium-high viscosity acetal homopolymer with UV stabilizers with very low VOC emissions developed 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-327UVE-NC010-Acetal-POM-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Melt Flow	6.0 g/10 min	6.0 g/10 min	cm ³ /10min; ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	7.0 g/10 min	7.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	71.0 MPa	10300 psi	ISO 527-1/-2
Elongation at Break	40 %	40 %	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
Charpy Impact Unnotched	35.0 J/cm ²	167 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	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)	165 °C	329 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	91.0 °C	196 °F	ISO 75-1/-2

Thermal Properties	Metric	English	Comments
Descriptive Properties	Value		Comments
Additives	Release agent		
Delivery Form	Pellets		
Emissions	<2 mg/kg		VDA 275
Part Marking Code	>POM<		ISO 11469
Processing	Injection Moulding		
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		

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