

DuPont Performance Polymers Delrin® 500SC NC010 Acetal (POM) (Unverified Data**)

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

Material Notes:

Silicone Lubricated Medium Viscosity Acetal Homopolymer Concentrate Developed for Enhancing Lubricity Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Delrin-500SC-NC010-Acetal-POM-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	66.0 MPa	9570 psi	ISO 527-1/-2
Elongation at Break	40 %	40 %	Nominal; ISO 527-1/-2
Elongation at Yield	21 %	21 %	ISO 527-1/-2
Tensile Modulus	3.00 GPa	435 ksi	ISO 527-1/-2
Flexural Strength	75.0 MPa @Strain 3.50 %	10900 psi @Strain 3.50 %	ISO 178
Flexural Modulus	2.90 GPa	421 ksi	ISO 178
Charpy Impact Unnotched	27.0 J/cm ²	128 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.850 J/cm ²	4.04 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	100 µm/m-°C	55.6 µin/in-°F	ISO 11359-1/-2
	@Temperature -40.0 - 23.0 °C	@Temperature -40.0 - 73.4 °F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	110 µm/m-°C	61.1 µin/in-°F	ISO 11359-1/-2
	@Temperature -40.0 - 23.0 °C	@Temperature -40.0 - 73.4 °F	ISO 11359-1/-2
Deflection Temperature at 0.46 MPa (66 psi)	158 °C	316 °F	ISO 75-1/-2

Thermal Properties Deflection Temperature at 1.8 MPa (204 psi)	Metric	English	Comments
Descriptive Properties	Value		Comments
Additives	Lubricants		
	Release agent		
Delivery Form	Pellets		
Part Marking Code	>POM-S20<		ISO 11469
Processing	Injection Moulding		
Regional Availability	Asia Pacific		
	Europe		
	Global		
	Near East/Africa		
	North America		
	South and Central America		
Resin Identification	POM-S20		ISO 1043

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