

## DuPont Performance Polymers Delrin® 100TL NC010 Acetal (POM) (Unverified Data\*\*)

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

### Material Notes:

Teflon® Lubricated High Viscosity Acetal Homopolymer with Low Wear and Low Friction Delrin 100TL NC010 (formerly Delrin 100TL NC000) is a high viscosity acetal homopolymer with 1.5% Teflon Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Delrin-100TL-NC010-Acetal-POM-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Delrin-100TL-NC010-Acetal-POM-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.018 cm/cm	0.018 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.017 cm/cm	0.017 in/in	ISO 294-4 2577
Melt Flow	2.2 g/10 min @Load 2.16 kg, Temperature 190 °C	2.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	71.0 MPa	10300 psi	ISO 527-1/-2
Elongation at Break	35 %	35 %	Nominal; ISO 527-1/-2
Elongation at Yield	25 %	25 %	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 Unnotched	15.0 J/cm <sup>2</sup>	71.4 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 179/1eA
	0.800 J/cm <sup>2</sup> @Temperature -30.0 °C	3.81 ft-lb/in <sup>2</sup> @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 (0.07 MPa)	158 °C Metric	316 °F English	ISO 75-1/-2 Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ISO 75-1/-2

Descriptive Properties	Value	Comments
Additives	Lubricants	
	Release agent	
Delivery Form	Pellets	
Part Marking Code	>POM-SD<	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-SD	ISO 1043

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