

## DuPont Performance Polymers Delrin® 300TE NC010 Acetal (POM) (Unverified Data\*\*)

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

### Material Notes:

Toughened Medium-high Viscosity Acetal Homopolymer with Very Low Emissions Delrin 300TE NC010 is a medium-high viscosity toughened acetal homopolymer with very low VOC emissions. Processing methods include injection molding. Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Delrin-300TE-NC010-Acetal-POM-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Delrin-300TE-NC010-Acetal-POM-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.014 cm/cm	0.014 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.015 cm/cm	0.015 in/in	ISO 294-4 2577
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	7830 psi	ISO 527-1/-2
Elongation at Break	37 %	37 %	Nominal; ISO 527-1/-2
Elongation at Yield	20 %	20 %	ISO 527-1/-2
Tensile Modulus	2.00 GPa	290 ksi	ISO 527-1/-2
Flexural Modulus	1.90 GPa	276 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	1.80 J/cm <sup>2</sup>	8.57 ft-lb/in <sup>2</sup>	ISO 179/1eA
	1.00 J/cm <sup>2</sup> @Temperature -30.0 °C	4.76 ft-lb/in <sup>2</sup> @Temperature -22.0 °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)	71.0 °C	160 °F	ISO 75-1/-2
	46 mm/min	1.8 in/min	

Flame Spread Thermal Properties	Metric @ Thickness 1.00 mm	English @ Thickness 0.0394 in	ISO 3795 (FMVSS 302) Comments
<b>Descriptive Properties</b>	<b>Value</b>		<b>Comments</b>
Additives	Lubricants		
	Release agent		
Delivery Form	Pellets		
Emissions	<2 mg/kg		VDA 275
Part Marking Code	>POM-I<		ISO 11469
Regional Availability	Asia Pacific		
	Europe		
	Global		
	Near East/Africa		
	North America		
	South and Central America		
Resin Identification	POM-I		ISO 1043

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