

## DuPont Performance Polymers Delrin® FG400XRD NC010 Acetal (POM) (Unverified Data\*\*)

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

### Material Notes:

X-ray Detectable Medium Viscosity Acetal Copolymer Developed for Food Contact Applications Delrin FG400XRD NC010 is a filled medium viscosity acetal copolymer for injection molding. It is detected in x-ray detectors. It has been developed for consideration provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Delrin-FG400XRD-NC010-Acetal-POM-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Delrin-FG400XRD-NC010-Acetal-POM-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	
Viscosity	98000 cP	98000 cP	ISO 11403-1 -2
	@Shear Rate 5000 1/s, Temperature 220 °C	@Shear Rate 5000 1/s, Temperature 428 °F	
	108000 cP	108000 cP	ISO 11403-1 -2
	@Shear Rate 5000 1/s, Temperature 205 °C	@Shear Rate 5000 1/s, Temperature 401 °F	
	120000 cP	120000 cP	ISO 11403-1 -2
@Shear Rate 5000 1/s, Temperature 190 °C	@Shear Rate 5000 1/s, Temperature 374 °F		
372000 cP	372000 cP	ISO 11403-1 -2	
@Shear Rate 500 1/s, Temperature 220 °C	@Shear Rate 500 1/s, Temperature 428 °F		
455000 cP	455000 cP	ISO 11403-1 -2	
@Shear Rate 500 1/s, Temperature 205 °C	@Shear Rate 500 1/s, Temperature 401 °F		
554000 cP	554000 cP	ISO 11403-1 -2	
@Shear Rate 500 1/s, Temperature 190 °C	@Shear Rate 500 1/s, Temperature 374 °F		
Melt Flow	13 g/10 min	13 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	50.0 MPa	7250 psi	ISO 527-1/-2
Elongation at Break	24 %	24 %	Nominal; ISO 527-1/-2

Mechanical Properties	Metric	English	Comments
Tensile Modulus	3.20 GPa	464 ksi	ISO 527-1/-2
Charpy Impact Unnotched	8.00 J/cm <sup>2</sup>	38.1 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	120 µm/m-°C	66.7 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	120 µm/m-°C	66.7 µin/in-°F	ISO 11359-1/-2
Melting Point	168 °C	334 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	ISO 75-1/-2

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Part Marking Code	>POM-XD<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	POM-XD	ISO 1043

## Contact Songhan Plastic Technology Co.,Ltd.

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