

## DuPont Performance Polymers Delrin® 588P NC010 Acetal (POM)

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

### Material Notes:

Nucleated Medium Viscosity Acetal Homopolymer Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Delrin-588P-NC010-Acetal-POM.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Delrin-588P-NC010-Acetal-POM.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.30 % @Thickness 2.00 mm	0.30 % @Thickness 0.0787 in	Sim. to ISO 62
Linear Mold Shrinkage, Flow	0.019 cm/cm	0.019 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.018 cm/cm	0.018 in/in	ISO 294-4 2577
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 190 °C	15 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ISO 2039-2
Tensile Strength, Yield	73.0 MPa	10600 psi	ISO 527-1/-2
Elongation at Break	25 %	25 %	Nominal; ISO 527-1/-2
Elongation at Yield	12 %	12 %	ISO 527-1/-2
Tensile Modulus	3.20 GPa	464 ksi	ISO 527-1/-2
Flexural Modulus	3.05 GPa	442 ksi	ISO 178
Charpy Impact, Notched	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	178 °C	352 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	171 °C	340 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
	HB	HB	IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Descriptive Properties	Value	Comments
Additives	Release agent	
Delivery Form	Pellets	
Part Marking Code	POM	ISO 11469
Regional Availability	Asia Pacific	
Resin Identification	POM	ISO 1043
UL recognition	UL	

## Contact Songhan Plastic Technology Co.,Ltd.

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