

Ovation Polymers Opnyl OP6MT254 Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Nylon 6 – Mighty Tough plasticized extrusion grade for tubing/profile applications. *All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance. Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-Opnyl-OP6MT254-Nylon-6.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Index of Compound	4.0 g/10 min	4.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	50 mm/min; ASTM D638
Elongation at Break	60 %	60 %	50 mm/min; ASTM D638
Flexural Yield Strength	20.0 MPa	2900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	0.700 GPa	102 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	220 - 222 °C	428 - 432 °F	DSC @ 15°C/min; ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	64.0 °C	147 °F	Unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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