

DSM Fibre Intermediates Nyrin® 1525 (Glass), Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Conditioned at 23°C and 50% Relative Humidity. Nyrin is a Block Copolymer of Nylon 6 and an elastomer with exceptional properties in impact resistance, fatigue and abrasion resistance. Nyrin is processed via Reaction Injection Moulding (RIM) technology. Nyrin® is a registered trademark. Information provided by the manufacturer, Brueggemann Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Fibre-Intermediates-Nyrin-1525-Glass-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.322 g/cc	0.04776 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	ISO 868
Tensile Strength, Ultimate	28.0 MPa	4060 psi	ISO 527
Elongation at Break	30 %	30 %	ISO 527
Modulus of Elasticity	1.82 GPa	264 ksi	ISO 527
Flexural Modulus	1.98 GPa	287 ksi	ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	ISO 180
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	DIN 53453
	0.500 J/cm ²	2.38 ft-lb/in ²	DIN 53453
	@Temperature -40.0 °C	@Temperature -40.0 °F	

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