

Brueggemann Chemical Nyrin® 1000 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

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_Brueggemann-Chemical-Nyrin-1000-Dry.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	79	79	ISO 868
Tensile Strength, Ultimate	58.0 MPa	8410 psi	ISO 527
Elongation at Break	40 %	40 %	ISO 527
Modulus of Elasticity	2.445 GPa	354.6 ksi	ISO 527
Flexural Modulus	2.485 GPa	360.4 ksi	ISO 178
Shear Modulus	1.00 GPa	145 ksi	torsional
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180, Brittle break
	7.00 kJ/m ²	3.33 ft-lb/in ²	Brittle break; ISO 180
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched	1.60 J/cm ²	7.61 ft-lb/in ²	DIN 53453, Brittle break
	0.600 J/cm ²	2.86 ft-lb/in ²	Brittle break; DIN 53453
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	214 °C	417 °F	DSC

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China