

## DSM Fibre Intermediates Nyrin® 3000 (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\\_DSM-Fibre-Intermediates-Nyrin-3000-Dry.php](http://www.lookpolymers.com/polymer_DSM-Fibre-Intermediates-Nyrin-3000-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ISO 868
Tensile Strength, Ultimate	37.0 MPa	5370 psi	ISO 527
Elongation at Break	350 %	350 %	ISO 527
Modulus of Elasticity	0.978 GPa	142 ksi	ISO 527
Flexural Modulus	1.045 GPa	151.6 ksi	ISO 178
Shear Modulus	0.450 GPa	65.3 ksi	torsional
Izod Impact, Notched (ISO)	62.0 kJ/m <sup>2</sup>	29.5 ft-lb/in <sup>2</sup>	ISO 180, Ductile break
	16.0 kJ/m <sup>2</sup>	7.61 ft-lb/in <sup>2</sup>	Ductile break; ISO 180
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched	4.20 J/cm <sup>2</sup>	20.0 ft-lb/in <sup>2</sup>	DIN 53453, Ductile break
	2.80 J/cm <sup>2</sup>	13.3 ft-lb/in <sup>2</sup>	Ductile break; DIN 53453
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	213 °C	415 °F	DSC

## Contact Songhan Plastic Technology Co.,Ltd.

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