

## DSM Fibre Intermediates Nyrim® 2000 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

Nyrim is a Block Copolymer of Nylon 6 and an elastomer with exceptional properties in impact resistance, fatigue and abrasion resistance.

Nyrim is processed via Reaction Injection Moulding (RIM) technology. Nyrim® 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-Nyrim-2000-Dry.php](http://www.lookpolymers.com/polymer_DSM-Fibre-Intermediates-Nyrim-2000-Dry.php)

| Physical Properties | Metric    | English                   | Comments |
|---------------------|-----------|---------------------------|----------|
| Density             | 1.12 g/cc | 0.0405 lb/in <sup>3</sup> | ISO 1183 |

| Mechanical Properties      | Metric                                          | English                                             | Comments                 |
|----------------------------|-------------------------------------------------|-----------------------------------------------------|--------------------------|
| Hardness, Shore D          | 74                                              | 74                                                  | ISO 868                  |
| Tensile Strength, Ultimate | 47.0 MPa                                        | 6820 psi                                            | ISO 527                  |
| Elongation at Break        | 270 %                                           | 270 %                                               | ISO 527                  |
| Modulus of Elasticity      | 1.512 GPa                                       | 219.3 ksi                                           | ISO 527                  |
| Flexural Modulus           | 1.712 GPa                                       | 248.3 ksi                                           | ISO 178                  |
| Shear Modulus              | 0.700 GPa                                       | 102 ksi                                             | torsional                |
| Izod Impact, Notched (ISO) | 30.0 kJ/m <sup>2</sup>                          | 14.3 ft-lb/in <sup>2</sup>                          | ISO 180, Ductile break   |
|                            | 9.00 kJ/m <sup>2</sup><br>@Temperature -40.0 °C | 4.28 ft-lb/in <sup>2</sup><br>@Temperature -40.0 °F | Brittle break; ISO 180   |
| Charpy Impact, Notched     | 2.20 J/cm <sup>2</sup>                          | 10.5 ft-lb/in <sup>2</sup>                          | DIN 53453, Ductile break |
|                            | 1.40 J/cm <sup>2</sup><br>@Temperature -40.0 °C | 6.66 ft-lb/in <sup>2</sup><br>@Temperature -40.0 °F | Brittle break; DIN 53453 |

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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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