

## Lanxess Durethan® TP 140-009 901510 Nylon 6, 15% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Glass Fiber Filled

### Material Notes:

PA 6 extrusion- and blow molding-grade, 15% glass fibers, elastomer-modified, good heat-ageing resistance, dry-impact modified

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lanxess-Durethan-TP-140-009-901510-Nylon-6-15-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Lanxess-Durethan-TP-140-009-901510-Nylon-6-15-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.206 g/cc	0.04357 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.00141 cm/cm	0.00141 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0066 cm/cm	0.0066 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	Conditioned; ISO 527-1/-2
	104 MPa	15100 psi	ISO 527-1/-2
Elongation at Break	5.3 %	5.3 %	ISO 527-1/-2
	28 %	28 %	Conditioned; ISO 527-1/-2
Tensile Modulus	2.20 GPa	319 ksi	Conditioned; ISO 527-1/-2
	5.30 GPa	769 ksi	ISO 527-1/-2
Impact	1456	1456	Puncture maximum force (N); ISO 6603-2
	802 @Temperature -30.0 °C	802 @Temperature -22.0 °F	Puncture maximum force (N); ISO 6603-2
Puncture Energy	4.20 J	3.10 ft-lb	ISO 6603-2
	2.30 J @Temperature -30.0 °C	1.70 ft-lb @Temperature -22.0 °F	ISO 6603-2
	2.30 J @Temperature -30.0 °C	1.70 ft-lb @Temperature -22.0 °F	Conditioned; ISO 6603-2

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 µm/m-°C	27.8 µin/in-°F	ISO 11359-1/-2

Thermal Properties	Metric	English	Comments
Melting Point	219 Â°C	426 Â°F	10Â°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	204 Â°C	399 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	146 Â°C	295 Â°F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	59.0 Â°C	138 Â°F	ISO 75-1/-2

Descriptive Properties	Value	Comments
Form	Pellets	
Processing	Blow molding	
	Sheet extrusion	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

## 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