

## Plastics Group Polifil® 625L Nylon 6/6 (DAM)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Unreinforced

### Material Notes:

Polifil® NYLON 6/6 combines good abrasion and chemical resistance. Applications: Valves Bearings Bearing cases Standard processing techniques are applicable. Information provided by The Plastics Group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastics-Group-Polifil-625L-Nylon-66-DAM.php](http://www.lookpolymers.com/polymer_Plastics-Group-Polifil-625L-Nylon-66-DAM.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.2 %	1.2 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.015 cm/cm @Thickness 3.17 mm	0.015 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	51.7 MPa	7500 psi	ASTM D638
Flexural Strength	79.3 MPa	11500 psi	ASTM D790
Flexural Modulus	1.93 GPa	280 ksi	Tangent; ASTM D790
Izod Impact, Notched	2.40 J/cm	4.50 ft-lb/in	At 73°F; ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	255 °C	491 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	227 °C	440 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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