

Network Polymers Nylon 0304NL

Category : Polymer , Thermoplastic , Nylon , Nylon, Flexible Alloy

Material Notes:

Description: Natural Nylon Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-Nylon-0304NL.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
Water Absorption	1.6 %	1.6 %	24 hours Immersion; ASTM D570
Moisture Absorption at Equilibrium	2.7 %	2.7 %	50% RH; ASTM D570
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	1/8 in bar; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Yield	79.3 MPa	11500 psi	ASTM D638
	21.4 MPa	3100 psi	ASTM D638
	@Temperature 121 °C	@Temperature 250 °F	
Elongation at Break	125 MPa	18200 psi	ASTM D638
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Elongation at Yield	70 %	70 %	ASTM D638
	8.0 %	8.0 %	ASTM D638
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Flexural Strength	>= 300 %	>= 300 %	ASTM D638
	@Temperature 121 °C	@Temperature 250 °F	
Flexural Modulus	4.0 %	4.0 %	ASTM D638
Izod Impact, Notched	108 MPa	15700 psi	ASTM D790
	2.83 GPa	410 ksi	ASTM D790
	0.534 J/cm	1.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
	82.8 µm/m-°C	46.0 µin/in-°F	

<small>CTE linear</small> Thermal Properties	Metric @ Temperature 20.0 °C	English @ Temperature 68.0 °F	ASTM D696 Comments
Melting Point	216 °C	420 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	178 °C	352 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	65.6 °C	150 °F	ASTM D648

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