

NYCOA 27/300I Glass Filled Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass Fiber Filled, Flame Retardant

Material Notes:

30% glass filled, flame retardant to UL 94 V-0 nylon 6Information provided by NYCOA, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NYCOA-27300I-Glass-Filled-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.61 g/cc	0.0582 lb/in ³	ASTM D792
Water Absorption	0.95 %	0.95 %	ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	170 MPa	24700 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	245 MPa	35500 psi	ASTM D790
Flexural Modulus	9.00 GPa	1310 ksi	ASTM D790
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 0.700 mm	V-0 @Thickness 0.0276 in	

Processing Properties	Metric	English	Comments
Processing Temperature	250 °C	482 °F	
Rear Barrel Temperature	225 °C	437 °F	
Middle Barrel Temperature	230 °C	446 °F	
Front Barrel Temperature	250 °C	482 °F	
Nozzle Temperature	250 °C	482 °F	

Mold Temperature Processing Properties	80.0 °C Metric	176 °F English	Comments
Drying Temperature	76.0 °C	169 °F	

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