

NYCOA 27/300SR 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 H-B nylon 6 Information provided by NYCOA, Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in³	ASTM D792
Water Absorption	1.7 %	1.7 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	175 MPa	25400 psi	ASTM D638
Elongation at Break	>= 6.0 %	>= 6.0 %	ASTM D638
Flexural Yield Strength	240 MPa	34800 psi	ASTM D790
Flexural Modulus	8.00 GPa	1160 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
Flammability, UL94	HB @Thickness 0.700 mm	HB @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	80.0 °C	176 °F	
Drying Temperature	76.0 °C	169 °F	

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