

Solvay Technyl® C50H2 Nylon 6, Flame Retardant, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Unreinforced, Flame Retardant

Material Notes:

Information provided by Rhodia; Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Technyl-C50H2-Nylon-6-Flame-Retardant-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ISO 1183-A

Mechanical Properties	Metric	English	Comments
Tensile Strength	80.0 MPa	11600 psi	ISO 527
Tensile Modulus	3.70 GPa	537 ksi	ISO 527
Flexural Strength	110 MPa	16000 psi	ISO 178
Flexural Modulus	3.50 GPa	508 ksi	ISO 178
Izod Impact, Notched	0.587 J/cm	1.10 ft-lb/in	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	222 Â°C	432 Â°F	ISO 3146-C
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C	167 Â°F	ISO 75-2
Flammability, UL94	V-0	V-0	NC, BK, Gy colors
	@Thickness >=0.380 mm	@Thickness >=0.0150 in	
	V-0	V-0	All colors
	@Thickness >=0.750 mm	@Thickness >=0.0295 in	
	V-0	V-0	All colors
	@Thickness >=1.50 mm	@Thickness >=0.0591 in	
	V-0	V-0	All colors
	@Thickness >=3.00 mm	@Thickness >=0.118 in	

Electrical Properties	Metric	English	Comments
Arc Resistance	60 - 120 sec	60 - 120 sec	ASTM D495

Electrical Properties	Metric	English	Comments
Hot Wire Ignition, HWI	7.0 - 15 sec	7.0 - 15 sec	NC, BK, Gy colors
	@Thickness >=0.380 mm	@Thickness >=0.0150 in	
	7.0 - 15 sec	7.0 - 15 sec	All colors
	@Thickness >=0.750 mm	@Thickness >=0.0295 in	
	15 - 30 sec	15 - 30 sec	All colors
	@Thickness >=1.50 mm	@Thickness >=0.0591 in	
	30 - 60 sec	30 - 60 sec	All colors
	@Thickness >=3.00 mm	@Thickness >=0.118 in	
High Amp Arc Ignition, HAI	>= 120 arcs	>= 120 arcs	NC, BK, Gy colors
	@Thickness 0.380 mm	@Thickness 0.0150 in	
	>= 120 arcs	>= 120 arcs	All colors
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	>= 120 arcs	>= 120 arcs	All colors
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	>= 120 arcs	>= 120 arcs	All colors
	@Thickness 3.00 mm	@Thickness 0.118 in	
High Voltage Arc-Tracking Rate, HVTR	0.000 - 254 mm/min	0.000 - 10.0 in/min	

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