

SYNTHOS Forsan® 573 L Acrylonitrile Butadiene Styrene (ABS)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Increased heat resistant, glossy, UV stabilized. Applications: Electrotechnics, automotive Household appliances, office equipment, car interior parts, profiles, ABS sheets, etc. Synthos was formerly known as Kaucuk. All information provided by Synthos.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SYNTHOS-Forsan-573-L-Acrylonitrile-Butadiene-Styrene-ABS.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	Internal; 50x50mm
Melt Flow	10.5 g/10 min @Load 10.0 kg, Temperature 220 °C	10.5 g/10 min @Load 22.0 lb, Temperature 428 °F	Granulate; ISO 1133/U

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched (ISO)	20.0 kJ/m ² @Temperature 23.0 °C	9.52 ft-lb/in ² @Temperature 73.4 °F	80x10x4mm, r=0.25; V-notch; ISO 180/1A
Charpy Impact Unnotched	16.0 J/cm ² @Temperature 23.0 °C	76.1 ft-lb/in ² @Temperature 73.4 °F	80x10x4mm; ISO 179/1eU
Charpy Impact, Notched	1.70 J/cm ² @Temperature 23.0 °C	8.09 ft-lb/in ² @Temperature 73.4 °F	80x10x4mm, r=0.25; V-notch; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100 °C	212 °F	50°C/h; 50N; 10x10x4mm; ISO 306/B50
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	Tested in EZŠ Praha
Glow Wire Test	650 °C	1200 °F	~ 93x3mm; IEC 60695-2-1

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+16 ohm-cm	2.00e+16 ohm-cm	500V; ~ 93x3mm; IEC 60093
Surface Resistance	5.00e+15 ohm	5.00e+15 ohm	500V; ~ 93x3mm; IEC 60093
	2.6	2.6	

Dielectric Constant Electrical Properties	Metric @Frequency 1e+6 Hz	English @Frequency 1e+6 Hz	Ã~ 50x3mm; IEC 60250 Comments
	<= 2.7 @Frequency 50 Hz	<= 2.7 @Frequency 50 Hz	Ã~ 50x3mm; IEC 60250
Dielectric Strength	12.0 kV/mm @Thickness 3.00 mm	305 kV/in @Thickness 0.118 in	Transformer Oil; IEC 60243-1
	53.0 kV/mm @Thickness 0.500 mm	1350 kV/in @Thickness 0.0197 in	Transformer Oil; IEC 60243-1
Dissipation Factor	0.0050 @Frequency 50 Hz	0.0050 @Frequency 50 Hz	Ã~ 93x3mm; IEC 60250
	0.0080 @Frequency 1e+6 Hz	0.0080 @Frequency 1e+6 Hz	Ã~ 93x3mm; IEC 60250
Arc Resistance	92 sec	92 sec	Ã~ 93x3mm; IEC 61621
Comparative Tracking Index	400 V	400 V	Solution A; Ã~ 93x3mm; IEC 60112

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