

DSM Stanyl® TC154 PA46 FR(17)

Category : Polymer , Thermoplastic , Nylon , Nylon 46

Material Notes:

Thermal conductive material, Flame Retardant, Heat Stabilized

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Stanyl-TC154-PA46-FR17.php

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in ³	dry; ISO 1183
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	Sim. To ISO 294-4
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	Sim. To ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.0 MPa	7980 psi	dry; ISO 527-1/-2
Elongation at Break	2.0 %	2.0 %	dry; ISO 527-1/-2
Tensile Modulus	5.10 GPa	740 ksi	dry; ISO 527-1/-2
Izod Impact Resistance	0.200 J/cm ² @Temperature 23.0 °C	0.952 ft-lb/in ² @Temperature 73.4 °F	dry; ISO 180/1A
Charpy Impact, Notched	0.200 J/cm ² @Temperature 23.0 °C	0.952 ft-lb/in ² @Temperature 73.4 °F	dry; ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	48.0 µm/m-°C	26.7 µin/in-°F	dry; ISO 11359-1/-2
CTE, linear, Transverse to Flow	48.0 µm/m-°C	26.7 µin/in-°F	dry; ISO 11359-1/-2
Thermal Conductivity	0.500 W/m-K	3.47 BTU-in/hr-ft ² -°F	through plane; ASTM E1461
	1.00 W/m-K	6.94 BTU-in/hr-ft ² -°F	in plane; ASTM E1461
UL RTI, Electrical	140 °C @Thickness 0.750 mm	284 °F @Thickness 0.0295 in	UL746B
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	dry; IEC 60695-11-10
	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	dry; IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	dry; IEC 60093
Dielectric Strength	30.0 kV/mm	762 kV/in	dry; IEC 60243-1
Comparative Tracking Index	225 V	225 V	dry; 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