

SABIC Innovative Plastics LNP THERMOCOMP 2X00858 FP-F (FEP)

Category : Polymer , Thermoplastic , Fluoropolymer , FEP

Material Notes:

LNP* THERMOCOMP* 2X00858 is a compound based on FEP resin containing proprietary fillers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-2X00858-FP-F-FEP.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.17 g/cc	2.17 g/cc	ASTM D792
Density	2.17 g/cc	0.0784 lb/in ³	ASTM D792
Moisture Absorption	0.0100 %	0.0100 %	50% RH, 24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.0 MPa	1740 psi	Type I, 5 mm/min; ASTM D638
	13.0 MPa	1890 psi	5 mm/min; ISO 527
Tensile Strength, Yield	14.0 MPa	2030 psi	Type I, 5 mm/min; ASTM D638
	14.0 MPa	2030 psi	5 mm/min; ISO 527
Elongation at Break	9.3 %	9.3 %	Type I, 5 mm/min; ASTM D638
	9.3 %	9.3 %	5 mm/min; ISO 527
Elongation at Yield	5.5 %	5.5 %	Type I, 5 mm/min; ASTM D638
	6.1 %	6.1 %	5 mm/min; ISO 527
Tensile Modulus	0.930 GPa	135 ksi	1 mm/min; ISO 527
	1.01 GPa	146 ksi	50 mm/min; ASTM D638
Flexural Strength	19.0 MPa	2760 psi	ISO 178
Flexural Yield Strength	20.0 MPa	2900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	0.790 GPa	115 ksi	1.3 mm/min, 50 mm span; ASTM D790
	0.870 GPa	126 ksi	2 mm/min; ISO 178
Izod Impact, Notched	6.83 J/cm	12.8 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.81 J/cm	18.4 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	31.0 kJ/m ²	14.8 ft-lb/in ²	80*10*4; ISO 180/1A

Mechanical Properties	Metric	English	Comments
Izod Impact, Unnotched (ISO)	84.0 kJ/mÂ²	40.0 ft·lb/inÂ²	80*10*4, ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 Â°C	176 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	79.0 Â°C	174 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	61.0 Â°C	142 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	57.0 Â°C	135 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP
	@Thickness 1.50 mm	@Thickness 0.0591 in	

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