

SABIC Innovative Plastics LNP THERMOCOMP QF0069 PA6.10 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

LNP* THERMOCOMP* QF0069 is a compound based on PA610 resin containing Glass Fiber, Flame Retardant. Added features include: Flame retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-QF0069-PA610-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in ³	ISO 1183
Water Absorption	0.20 % @Time 86400 sec	0.20 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	142 MPa	20600 psi	5 mm/min; ISO 527
Elongation at Break	2.2 %	2.2 %	5 mm/min; ISO 527
Tensile Modulus	8.50 GPa	1230 ksi	1 mm/min; ISO 527
Flexural Yield Strength	196 MPa	28400 psi	2 mm/min; ISO 178
Flexural Modulus	7.90 GPa	1150 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	25.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	13.9 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
CTE, linear, Transverse to Flow	98.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	54.4 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	194 Å°C	381 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0	V-0	UL 94

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
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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