

SABIC Innovative Plastics LNP THERMOCOMP QC006 PA6.10 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

LNP * THERMOCOMP* QC006 is a compound based on PA610 resin containing Carbon Fiber. Added features include; Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-QC006-PA610-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ISO 1183
Water Absorption	0.25 % @Time 86400 sec	0.25 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	196 MPa	28400 psi	5 mm/min; ISO 527
Elongation at Break	2.7 %	2.7 %	5 mm/min; ISO 527
Tensile Modulus	18.7 GPa	2710 ksi	1 mm/min; ISO 527
Flexural Strength	280 MPa	40600 psi	2 mm/min; ISO 178
Flexural Yield Strength	290 MPa	42100 psi	2 mm/min; ISO 178
Flexural Modulus	15.2 GPa	2200 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	65.0 kJ/m ²	30.9 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	7.40 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	4.11 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
CTE, linear, Transverse to Flow	95.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	52.8 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	221 Å°C	430 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	C		0+4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

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