

SABIC Innovative Plastics LNP COLORCOMP EX10304C PEI (Asia Pacific)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

LNP* Colorcomp* EX10304C is an unfilled polyetherimide clean compound with extremely high level of cleanliness for the most demanding application. This compound is manufactured using LNP CCS Technology.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-COLORCOMP-EX10304C-PEI-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Time 86400 sec	0.0050 - 0.0070 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm @Time 86400 sec	0.0050 - 0.0070 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	106 MPa	15400 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	60 %	60 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	7.0 %	7.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	3.29 GPa	477 ksi	5 mm/min; ASTM D638
Flexural Strength	160 MPa	23200 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	3.02 GPa	438 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.340 J/cm	0.637 ft-lb/in	ASTM D256
Izod Impact, Unnotched	13.35 J/cm	25.01 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	200 °C @Thickness 6.40 mm	392 °F @Thickness 0.252 in	unannealed; ASTM D648

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