

## SABIC Innovative Plastics LNP THERMOCOMP DX13354 PC COPOLYMER (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

DX13354 is 30% glass fiber reinforced, impact modified and LDS functionalized polycarbonate resin. The features include LDS function, high flow, and good ductility.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DX13354-PC-COPOLYMER-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DX13354-PC-COPOLYMER-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.00060 cm/cm @Thickness 3.20 mm	0.00060 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	16 g/10 min @Load 1.20 kg, Temperature 300 Â°C	16 g/10 min @Load 2.65 lb, Temperature 572 Â°F	ASTM D1238
Melt Index of Compound	13 g/10 min @Load 1.20 kg, Temperature 300 Â°C	13 g/10 min @Load 2.65 lb, Temperature 572 Â°F	MVR [cm <sup>3</sup> /10 min]; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	122 MPa	17700 psi	Type I, 5 mm/min; ASTM D638
	123 MPa	17800 psi	50 mm/min; ISO 527
Elongation at Break	2.4 %	2.4 %	Type I, 5 mm/min; ASTM D638
	2.4 %	2.4 %	50 mm/min; ISO 527
Tensile Modulus	8.76 GPa	1270 ksi	5 mm/min; ASTM D638
	8.84 GPa	1280 ksi	1 mm/min; ISO 527
Flexural Strength	171 MPa	24800 psi	ASTM D790
Flexural Modulus	8.02 GPa	1160 ksi	ASTM D790
Izod Impact, Notched	1.45 J/cm	2.72 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	14.0 kJ/m <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	ISO 179/2C
Charpy Impact, Notched	1.40 J/cm <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	ISO 179/2C

Mechanical Properties	Metric	English	Comments
<b>Thermal Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Deflection Temperature at 0.46 MPa (66 psi)	126 Å°C @Thickness 3.20 mm	259 Å°F @Thickness 0.126 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	122 Å°C @Thickness 3.20 mm	252 Å°F @Thickness 0.126 in	ASTM D648

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.52 @Frequency 1.00e+9 Hz	3.52 @Frequency 1.00e+9 Hz	ASTM D150
Dissipation Factor	0.014 @Frequency 1.00e+9 Hz	0.014 @Frequency 1.00e+9 Hz	ASTM D150

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