

## SABIC Innovative Plastics LNP THERMOCOMP DX10313 PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

DX10313 is high modulus polycarbonate, 50% glass filled, with balanced flow and impact strength

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DX10313-PC-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DX10313-PC-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.61 g/cc	1.61 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.00050 - 0.0015 cm/cm	0.00050 - 0.0015 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0010 - 0.0025 cm/cm	0.0010 - 0.0025 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Index of Compound	18 g/10 min	18 g/10 min	MVR [cm <sup>3</sup> /10 min]; ISO 1133
	@Load 5.00 kg, Temperature 300 Â°C	@Load 11.0 lb, Temperature 572 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	152 MPa	22000 psi	5 mm/min; ISO 527
	154 MPa	22300 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.2 %	2.2 %	5 mm/min; ISO 527
	2.3 %	2.3 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	14.1 GPa	2050 ksi	1 mm/min; ISO 527
	14.31 GPa	2075 ksi	5 mm/min; ASTM D638
Flexural Strength	206 MPa	29900 psi	2 mm/min; ISO 178
	222 MPa	32200 psi	ASTM D790
Flexural Yield Strength	207 MPa	30000 psi	2 mm/min; ISO 178
Flexural Modulus	11.9 GPa	1730 ksi	2 mm/min; ISO 178
	12.2 GPa	1770 ksi	ASTM D790
Izod Impact, Notched	1.66 J/cm	3.11 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.69 J/cm	12.5 ft-lb/in	ASTM D4812

Mechanical Properties	Metric	English	Comments
Charpy Impact, Notched	1.60 J/cm <sup>2</sup>	7.61 ft-lb/in <sup>2</sup>	ISO 179/2C

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	16.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	8.89 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM E 831
	@Temperature -40.0 - 40.0 $\text{Å}^\circ\text{C}$	@Temperature -40.0 - 104 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	60.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	33.3 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM E 831
	@Temperature -40.0 - 40.0 $\text{Å}^\circ\text{C}$	@Temperature -40.0 - 104 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	128 $\text{Å}^\circ\text{C}$	262 $\text{Å}^\circ\text{F}$	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China