

SABIC Innovative Plastics LNP COLORCOMP DX98550H PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* COLORCOMP* DX98550H is an unfilled Polycarbonate resin. Added features of this grade are: Low Extractable, Healthcare.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-COLORCOMP-DX98550H-PC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	65.0 MPa	9430 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	120 %	120 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	2.41 GPa	350 ksi	5 mm/min; ASTM D638
Flexural Strength	86.0 MPa	12500 psi	ASTM D790
Flexural Modulus	2.34 GPa	339 ksi	1.3 mm/min, 50 mm span; ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	33.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	18.3 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM E 831
	@Temperature -40.0 - 40.0 $^{\circ}\text{C}$	@Temperature -40.0 - 104 $^{\circ}\text{F}$	
CTE, linear, Transverse to Flow	33.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	18.3 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM E 831
	@Temperature -40.0 - 40.0 $^{\circ}\text{C}$	@Temperature -40.0 - 104 $^{\circ}\text{F}$	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257

Electrical Properties	0.010	0.010	
Dissipation Factor	Metric	English	Comments
	@Frequency 1.00e+6	@Frequency 1.00e+6	ASTM D150
	Hz	Hz	

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