

## SABIC Innovative Plastics LNP Faradex DX07304 PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

CF filled grade with EMI shielding This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Faradex-DX07304-PC-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Faradex-DX07304-PC-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ASTM D 792
	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0017 cm/cm	0.0017 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0021 cm/cm	0.0021 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
Melt Flow	11 g/10 min	11 g/10 min	[cm <sup>3</sup> /10 min] Melt Volume Rate; ISO 1133
	@Load 2.16 kg, Temperature 300 °C	@Load 4.76 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	133 MPa	19300 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	1.1 %	1.1 %	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	23.19 GPa	3363 ksi	50 mm/min; ASTM D 638
	23.38 GPa	3391 ksi	1 mm/min; ISO 527
Flexural Strength	207 MPa	30000 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Yield Strength	210 MPa	30500 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	19.6 GPa	2840 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	0.370 J/cm	0.693 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched	2.96 J/cm	5.55 ft-lb/in	ASTM D 4812
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A

Mechanical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
Izod Impact, Unnotched (ISO)	15.0 kJ/m <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	72.0 °C	162 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	72.0 °C	162 °F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 1.00 mm	@Thickness 0.0394 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	7300 ohm-cm	7300 ohm-cm	ASTM D 257
	50000 ohm-cm	50000 ohm-cm	IEC 60093
Surface Resistance	10000 ohm	10000 ohm	ROA; IEC 60093
	438000 ohm	438000 ohm	ASTM D 257
Shielding Effectiveness	30 dB	30 dB	SABIC Method
	@Thickness 3.00 mm	@Thickness 0.118 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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