Shinblend® A782

Polycarbonate + ABS

Shinkong Synthetic Fiber Corp.

Message:

Shinblend® A782 is a Polycarbonate + ABS (PC+ABS) material. It is available in North America for injection molding.
Important attributes of Shinblend® A782 are:
Flame Rated
Flame Retardant
Impact Resistant
Typical application of Shinblend® A782: Electrical/Electronic Applications

General Information			
UL YellowCard	E107536-218520		
Features	Flame Retardant Good Impact Resistance		
Uses	Electrical Parts Electronic Data Processing		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.24	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	6.2	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	50.0	MPa	ASTM D638
Tensile Elongation (Yield)	30	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength (Yield)	73.1	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	340	J/m	
-20°C, 3.18 mm	430	J/m	
0°C, 3.18 mm	480	J/m	
23°C, 3.18 mm	580	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	105	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
0.794 mm	V-2	
1.59 mm	V-0	

Recommended distributors for this material

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