

Shinblend® A783

Polycarbonate + ABS

Shinkong Synthetic Fiber Corp.

Message:

Shinblend® A783 is a Polycarbonate + ABS (PC+ABS) material. It is available in North America for injection molding.

Important attributes of Shinblend® A783 are:

Flame Rated

Good Toughness

Good UV Resistance

Good Weather Resistance

Impact Resistant

Typical applications include:

Housings

Sporting Goods

General Information			
UL YellowCard	E107536-218521		
Features	Good Impact Resistance		
	Good Toughness		
	Good UV Resistance		
	Good Weather Resistance		
Uses	Housings		
	Sporting Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	47.6	MPa	ASTM D638
Tensile Elongation (Yield)	35	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength (Yield)	68.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	380	J/m	
-30°C, 3.18 mm	430	J/m	


-20°C, 3.18 mm	480	J/m	
0°C, 3.18 mm	580	J/m	
23°C, 3.18 mm	670	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.794 mm	HB		
1.59 mm	HB		

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Recommended distributors for this material

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