

# Shinblend® A781

Polycarbonate + ABS

Shinkong Synthetic Fiber Corp.

## Message:

Shinblend® A781 is a Polycarbonate + ABS (PC+ABS) material. It is available in North America for injection molding.

Important attributes of Shinblend® A781 are:

Flame Rated

Heat Resistant

Impact Resistant

General Information			
Features	General Purpose Good Impact Resistance Good Thermal Stability High Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	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)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	49.0	MPa	ASTM D638
Tensile Elongation (Yield)	40	%	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			ASTM D648
0.45 MPa, Unannealed	125	°C	
1.8 MPa, Unannealed	118	°C	

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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