

# Shinblend® A786

Polycarbonate + ABS

Shinkong Synthetic Fiber Corp.

Message:

Shinblend® A786 is a Polycarbonate + ABS (PC+ABS) material. It is available in North America.

Important attributes of Shinblend® A786 are:

Flame Rated

Flame Retardant

Good UV Resistance

Good Weather Resistance

Typical applications include:

Business/Office Goods

Housings

General Information			
UL YellowCard	E107536-218522		
Features	Flame Retardant		
	Good UV Resistance		
	Good Weather Resistance		
Uses	Business Equipment		
	Housings		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	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)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	53.8	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength (Yield)	83.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.18 mm	170	J/m	
23°C, 3.18 mm	530	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 (0.794 mm)	V-0	UL 94

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Recommended distributors for this material

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