

# SUPRAN® PA1350

Polyamide

SAMBARK

Message:

SUPRAN® is injection-moldable Long Fiber Reinforced Thermoplastics(LFT), PA1350 is Polyamide reinforced with 50wt% long glass fibers. Parts molded of SUPRAN® have outstanding mechanical properties such as high strength, stiffness, impact and creep resistance and durability combined with high heat deflection. SUPRAN® PA1350 is suitable for structural parts in industrial application.

General Information			
Filler / Reinforcement	Long Glass Fiber,50% Filler by Weight		
Features	Durable		
	Good Creep Resistance		
	High Impact Resistance		
	High Stiffness		
	High Strength		
Uses	Electrical/Electronic Applications		
	Housings		
	Industrial Applications		
	Pump Parts		
	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	235	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	15100	MPa	ASTM D790
Flexural Strength	324	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	350	J/m	
23°C	350	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	215	°C	ASTM D648
Injection	Nominal Value	Unit	

Rear Temperature	265 to 275	°C
Middle Temperature	265 to 275	°C
Front Temperature	265 to 275	°C
Mold Temperature	90.0	°C

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Recommended distributors for this material

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