

SUPRAN® PP1320E

Polypropylene

SAMBARK

Message:

SUPRAN® is injection-moldable Long Fiber Reinforced Thermoplastics(LFT), PP1320E is Polypropylene reinforced with 20wt% long glass fibers. Parts molded of SUPRAN® have outstanding mechanical properties such as high strength, stiffness, impact and creep resistance and low warpage combined with high heat deflection. SUPRAN® PP1320E is suitable for structural parts in automotive and industrial application.

General Information			
Filler / Reinforcement	Long Glass Fiber,20% Filler by Weight		
Features	Good Creep Resistance		
	High Impact Resistance		
	High Stiffness		
	High Strength		
	Low Warpage		
Uses	Automotive Applications		
	Industrial Applications		
	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.48	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	98.1	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4810	MPa	ASTM D790
Flexural Strength	127	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	190	J/m	
23°C	180	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	159	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	205 to 230	°C	
Middle Temperature	205 to 230	°C	

Front Temperature	205 to 230	°C
Mold Temperature	40.0 to 60.0	°C

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Recommended distributors for this material

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