

SUPRAN® PP2310SD

Polypropylene

SAMBARK

Message:

SUPRAN® is injection-moldable Long Fiber Reinforced Thermoplastics(LFT), PP2310SD is Polypropylene reinforced with 12wt% 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® PP2310SD is suitable for structural parts in automotive and industrial application.

General Information			
Filler / Reinforcement	Long Glass Fiber,12% Filler by Weight		
Features	Durable		
	Good Creep Resistance		
	High Impact Resistance		
	High Stiffness		
	High Strength		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Industrial Applications		
	White Goods & Small Appliances		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	66.7	MPa	ASTM D638
Tensile Elongation (Break)	3.8	%	ASTM D638
Flexural Modulus	3430	MPa	ASTM D790
Flexural Strength	91.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	160	J/m	
23°C	150	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	153	°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 70.0	°C

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Recommended distributors for this material

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