

ResMart Ultra SAN 9

Styrene Acrylonitrile

ResMart

Message:

High performance, Styrene Acrylonitrile (SAN) material for injection molding

General Information			
Agency Ratings	FDA Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	84		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	68.9	MPa	ASTM D638
Flexural Modulus	3340	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	92.2	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.711 mm	HB		
1.50 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	82.2	°C	
Drying Time - Desiccant Dryer	2.0	hr	
Processing (Melt) Temp	238 to 277	°C	
Mold Temperature	51.7 to 82.2	°C	
Injection Pressure	68.9 to 96.5	MPa	

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Recommended distributors for this material

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