

ResMart Ultra ABS

Acrylonitrile Butadiene Styrene

ResMart

Message:

High performance, injection molding ABS

General Information			
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	113		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	41.0	MPa	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Flexural Strength	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	340	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.9	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80.0	°C	
Drying Time - Desiccant Dryer	2.0 - 4.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	204 - 238	°C	
Mold Temperature	62.8 - 85.0	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Dew Point: 0°F			

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