

# ResMart Ultra ASA

Acrylonitrile Styrene Acrylate

ResMart

Message:

Acrylonitrile Styrene Acrylate is a heat resistant, weatherable resin for extrusion and injection molding applications

General Information			
Features	Good Weather Resistance		
	High Heat Resistance		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	41.4	MPa	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.3	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	70.0 to 80.0	°C	
Drying Time - Desiccant Dryer	3.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	210 to 238	°C	
Mold Temperature	40.0 to 62.8	°C	
Injection Pressure	68.9 to 96.5	MPa	

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Recommended distributors for this material

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