

ResMart Ultra PC LF

Polycarbonate

ResMart

Message:

High performance low flow polycarbonate

General Information			
Features	Low liquidity		
Agency Ratings	FDA not rated		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.6	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	910	J/m	ASTM D256
Unnotched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	137	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (0.787 mm)	V-2		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (2790 μm)	89.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	116 - 121	°C	
Drying Time - Desiccant Dryer	4.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	288 - 316	°C	
Mold Temperature	82.2 - 121	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Dew Point: -20°F			

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