

ResMart Plus Nylon 6

Polyamide 6

ResMart

Message:

General purpose nylon 6 that displays excellent colorability and property set

General Information			
Features	Good coloring		
	General		
Uses	General		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	72.4	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	171	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	82.2	°C	
Drying Time - Desiccant Dryer	2.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	243 - 279	°C	
Mold Temperature	54.4 - 93.3	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Dew Point: 0°F			

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