

ResMart Utility Nylon 6

Polyamide 6

ResMart

Message:

General purpose nylon 6 that provides a robust property set with a slight tradeoff in natural appearance

General Information			
Features	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
Moisture Content		%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	63.8	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	27	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	
Injection instructions			

Dew Point: 0°F

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