

ResMart Ultra TPU 90A Ether

Thermoplastic Polyurethane Elastomer (Polyether)

ResMart

Message:

Polyether based TPU Shore 90A hardness for injection molding or extrusion applications

General Information			
Agency Ratings	FDA not rated		
	ISO 10993		
RoHS Compliance	RoHS compliance		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	27.6	MPa	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	450	%	ASTM D412
Tear Strength	100	kN/m	ASTM D624
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	107	°C	
Drying Time - Desiccant Dryer	6.0	hr	
Suggested Max Moisture	0.010	%	
Processing (Melt) Temp	185 - 191	°C	
Injection instructions			
Dew Point: 0°F			

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