

ResMart Ultra TPU 80A ES

Thermoplastic Polyurethane Elastomer (Polyester)

ResMart

Message:

Polyester based TPU Shore 80A hardness for injection molding or extrusion applications

General Information	
Agency Ratings	FDA Unspecified Rating
RoHS Compliance	RoHS Compliant
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
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Specific Gravity	1.18	g/cm ³	ASTM D792
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Hardness	Nominal Value	Unit	Test Method
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Durometer Hardness (Shore A)	80		ASTM D2240
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Mechanical	Nominal Value	Unit	Test Method
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Tensile Strength	29.6	MPa	ASTM D638
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Elastomers	Nominal Value	Unit	Test Method
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Tensile Elongation (Break)	590	%	ASTM D412
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Tear Strength	85.0	kN/m	ASTM D624
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Flammability	Nominal Value	Unit	Test Method
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Flame Rating	HB		UL 94
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Injection	Nominal Value	Unit
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Drying Temperature - Desiccant Dryer	82.2 to 104	°C
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Drying Time - Desiccant Dryer	2.0 to 4.0	hr
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Suggested Max Moisture	0.010	%
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Processing (Melt) Temp	180 to 199	°C
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