

# ResMart Ultra TPU 85A ES

Thermoplastic Polyurethane Elastomer (Polyester)

ResMart

Message:

Polyester based TPU Shore 85A 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
Specific Gravity	1.19	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	31.0	MPa	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	520	%	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	90.0 to 100	°C	
Drying Time - Desiccant Dryer	3.0 to 4.0	hr	
Suggested Max Moisture	0.010	%	
Processing (Melt) Temp	191 to 204	°C	

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