

# Ren Ren Shape 450

Polyurethane  
Huntsman Advanced Materials

Message:

Ren Ren Shape 450 is a Polyurethane product. It is available in North America. Applications of Ren Ren Shape 450 include tools, aerospace, automotive and prototyping applications.

Characteristics include:

Good Aesthetics  
Moisture Resistant

General Information			
Features	Good Surface Finish		
	Low to No Water Absorption		
	Machinable		
Uses	Aerospace Applications		
	Automotive Applications		
	Modeling Material		
	Molds/Dies/Tools		
	Tooling		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.658	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	993	MPa	ASTM D790
Flexural Strength (Yield)	27.6	MPa	ASTM D790
Compressive Modulus	931	MPa	ASTM D695
Compressive Strength	19.3	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	96.1	°C	ASTM E1356

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