

UBE Polyethylene R500

Polyethylene

UBE America, Inc.

Message:

UBE Polyethylene R500 is a Polyethylene material. It is available in North America.

Important attributes of UBE Polyethylene R500 are:

Clarity

Good Toughness

Typical application of UBE Polyethylene R500: Engineering/Industrial Parts

General Information			
Features	Good Toughness		
	High Clarity		
Uses	Thick-walled Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	0.50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	750	%	ASTM D638
Apparent Bending Modulus	170	MPa	ASTM D747
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-75.0	°C	ASTM D746
Vicat Softening Temperature	96.0	°C	ASTM D1525

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