

LITEN BB 38 S

Polyethylene Copolymer
UNIPETROL RPA

Message:

LITEN BB 38 S is a copolymer with medium molecular weight distribution. It exhibits good impact strength and toughness. Typical application is manufacture of PEX pipes.

General Information			
Features	Copolymer		
	Good Impact Resistance		
	Good Toughness		
	Medium Molecular Weight		
Uses	Piping		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Forms	Pellets		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.50	g/10 min	
190°C/21.6 kg	25	g/10 min	
190°C/5.0 kg	1.8	g/10 min	
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	11.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Yield)	11	%	ISO 527-2
Flexural Modulus	1150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m ²	
23°C	11	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ISO 306

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Recommended distributors for this material

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