

Jampilen EPD60R

Polypropylene Copolymer

Jam Polypropylene Company

Message:

Jampilen EPD60R is a high molecular weight heterophasic copolymer for blow molding and extrusion and is designed to produce items with superior toughness, even at low temperatures. Jampilen EPD60R exhibits excellent heat and detergent resistance. Due to its excellent impact strength and its particular formulation, Jampilen EPD60R is well suited for extrusion blow molding of appliance components, wheels, under-the-hood automotive parts, toolboxes, suitcases and large containers. Extrusion applications of Jampilen EPD60R include profiles, pipes and tough sheet for industrial applications. Sheet produced with Jampilen EPD60R is also well suited for thermoforming trays for cold storage. Jampilen EPD60R can be compression molded into thick sheet. Jampilen EPD60R is suitable for food contact but not intended for medical and pharmaceutical application.

General Information			
Features	Copolymer		
	Detergent Resistant		
	Food Contact Acceptable		
	Good Toughness		
	High Heat Resistance		
	High Impact Resistance		
	High Molecular Weight		
	Low Temperature Toughness		
Uses	Appliance Components		
	Automotive Under the Hood		
	Containers		
	Industrial Applications		
	Luggage		
	Piping		
	Profiles		
	Sheet		
	Support Trays		
Processing Method	Blow Molding		
	Compression Molding		
	Pipe Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.40	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	77		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	80	J/m	
0°C	350	J/m	
23°C	750	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	1800	hr	ASTM D3012
NOTE			

1. Loading 1 (10 N)

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