



Jampilen EPD60R

Heterophasic copolymer

Description:

"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.

Processing Method:

Extrusion (pipe, sheet)
Thermoforming
Compression molding
Blow molding

Features:

High molecular weight
Excellent heat and detergent resistance
Excellent toughness
Heterophasic copolymer

Typical Applications:

Appliance components, wheels
Under-the-hood automotive parts
Toolboxes, suitcases and large containers
Profiles and tough sheet for industrial applications
Industrial, sail and waste pipe
Thermoformed trays for cold storage cartons
Thick sheet

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	0.4	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1100	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	15	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	750	J/m	ASTM D256
Izod Impact Strength (notched) at 0 °C	350	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	80	J/m	ASTM D256
Rockwell Hardness	77	R Scale	ASTM D785
Thermal			
Vicat softening point (10N)	150	°C	ASTM D1525
H.D.T. (0.46 Mpa)	85	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	1800	hours	ASTM D3012

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