Polypropylene hetrophasic copolymer

Moplen EPD60R

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	0.3
Flexural Modulus	D790	MPa	1100
Notched Izod Impact@23°C	D256	J/m	600
Notched Izod Impact@-20°C	D256	J/m	70
Tensile Strength@Yield	D638	MPa	27
Elongation@Yield	D638	%	14
Vicat Softening Point,10N	D1525	°C	152
HDT(0.46N/mm²)	D648	°C	82
Rockwell Hardness	D785	R.Scale	76
Oven Aging@150°C	D3012	Hours	2000

➢ Values shown are averages & are not to be considered as product specifications.

❖ Main application & Characteristics:

Moplen EPD60R is a high molecular weight hetrophasic copolymer for blow moulding and extrusion and is designed to produce items with superior toughness even at low temperatures. Moplen EPD60R exhibits excellent heat and detergent resistance.

Because of its excellent impact strength and its particular formulation, Moplen EPD60R is well suited for extrusion blow moulding appliance components, wheels, under the hood automotive parts, toolboxes, suitcases and large containers.

Extrusion applications of Moplen EPD60R include profiles, pipes and tough sheet for industrial applications. Sheet produced with Moplen EPD60R is also well suited for thermoforming trays for cold storage.

Moplen EPD60R can be compression moulded into thick sheets.

* Moplen EPD60R is suitable for food contact.

ISO 9001:2000
Certificate No.: CH98/8032

ISO 14001:2004
Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

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JAM Polypropylene

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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