HETROPHASIC COPOLYMER

EP440L - (Jampilen)

Product Description:
"Jampilen EP440L" is a medium flow heterophasic polypropylene copolymer with improved balance of mechanical properties. The product features high stiffness and outstanding impact strength at low temperatures and is specifically designed for injection molding applications. In comparison with conventional copolymers with the same MFR and same rigidity, "Jampilen EP440L", exhibits 35 % higher toughness.
"Jampilen EP440L" is suitable for a wide range of applications in the packaging, automotive and consumer goods industries. Typical applications include luggage, paint pails, buckets, containers, crates, batteries and large toys.

Processing Method:
- Injection molding

Features:
- High impact strength
- High stiffness
- Heterophasic copolymer

Typical Applications:
Packaging, automotive and consumer goods industries
Luggage, paint pails, buckets
Containers, crates, batteries and large toys

Typical data - EP440L

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PROPERTY	TEST METHOD	UNIT	VALUE
Physical properties			
Melt Flow Rate (230 oC, 2.16kg)	ASTM D1238	g/10min	6.0
Density	ASTM D1505	g/cm3	0.9
Mechanical			
Flexural Modulus	ASTM D790	MPa	1300
Tensile Strength at Yield	ASTM D638	MPa	25
Tensile Elongation at Yield	ASTM D638	%	6
Izod Impact Strength (notched) at 23 °C	ASTM D256	J/m	200
Izod Impact Strength (notched) at -20 °C	ASTM D256	J/m	60
Thermal			
Vicat softening point (10N)	ASTM D1525	oC	150
H.D.T. (0.46 MPa)	ASTM D648	oC	90
Accelerated oven ageing in air at 150 °C	ASTM D3012	hours	360