



Jampilen EP440N

Heterophasic copolymer

Description:

"Jampilen EP440N" is an easy flow heterophasic polypropylene copolymer with improved mechanical properties balance. The product features high stiffness and outstanding impact strength. "Jampilen EP440N" is specifically designed for injection molding applications. In comparison with conventional copolymers with the same MFR and the same rigidity, "Jampilen EP440N", exhibits 20 % higher toughness. "Jampilen EP440N" 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 and stiffness
Excellent processability
Heterophasic copolymer

Typical Applications:

Packaging, automotive and consumer goods industries
Luggage, paint pails, buckets, containers
Crates, batteries and large toys

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	12	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1350	MPa	ASTM D790
Tensile Strength at Yield	25	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	120	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	55	J/m	ASTM D256
Shore hardness	66	----	ISO 868
Thermal			
Vicat softening point (10N)	150	°C	ASTM D1525
H.D.T. (0.46 Mpa)	95	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012

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