Jampilen EP440G

Heterophasic copolymer

JAM Polypropylene

Description:

"Jampilen EP440G" is a nucleated heterophasic copolymer especially developed for extrusion applications.
In comparison with standard polypropylene copolymers with the same fluidity, "Jampilen EP440G" exhibits higher stiffness, superior impact properties at room and sub-zero temperatures, very high dimensional stability and excellent creep and deforming resistance. The main applications of "Jampilen EP440G" are thermoforming, corrugated board and extrusion blow molding.

Processing Method:

Thermoforming
Extrusion blow molding
Injection molding

Features:

Very high impact resistance
High stiffness
Very high dimensional stability
Excellent creep and deforming resistance
Heterophasic copolymer

Typical Applications:

Corrugated board, panels, profiles and crates
Corrugated pipes for automotive and machine construction
Conduit pipes and fittings for electrical distribution and cable protection
Blow molded bottles and containers
Pipe fittings

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 ^{o}C, 2.16kg)	1.3	g/10min	ASTM D1238
Density	0.9	g/cm^3	ASTM D1505
Mechanical			
Flexural Modulus	1300	MPa	ASTM D790
Tensile Strength at Yield	25	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (notched) at 23 ^{o}C	500	J/m	ASTM D256
Izod Impact Strength (notched) at -20 ^{o}C	70	J/m	ASTM D256
Thermal			
Vicat softening point (10N)	150	oC	ASTM D1525
H.D.T. (0.46 MPa)	92	oC	ASTM D648
Accelerated oven ageing in air at 150 oC	360	hours	ASTM D3012

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