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EP440G - (Jampilen)

Characteristic Properties:
"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 data - EP440G

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PROPERTY	TEST METHOD	UNIT	VALUE
Physical properties			
Melt Flow Rate (230 oC, 2.16kg)	ASTM D1238	g/10min	1.3
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 oC	ASTM D256	J/m	500
Izod Impact Strength (notched) at -20 oC	ASTM D256	J/m	70
Thermal			
Vicat softening point (10N)	ASTM D1525	oC	150
H.D.T. (0.46 MPa)	ASTM D648	oC	92
Accelerated oven ageing in air at 150 oC	ASTM D3012	hours	360

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