

Jampilen EP440G

Heterophasic copolymer

Description:

"Jampilen EP440G" is a nucleated heterophasic copolymer especially developed for extrusion applications.

"Jampilen EP440G" exhibits high stiffness, very high impact properties at room and sub-zero temperatures, good 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

Features:

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

Typical Applications:

Crates
Panels & Profiles
Corrugated Sheet
Conduit pipes and fittings for electrical distribution and cable protection
Blow molded bottles and containers

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	1.3	g/10min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Mechanical			
Tensile Modulus	1450	MPa	ISO 527-1, -2
Tensile Strength at Yield	27	MPa	ISO 527-1, -2
Tensile Elongation at Break	>50	%	ISO 527-1, -2
Tensile Elongation at Yield	8	%	ISO 527-1, -2
Charpy impact strength (Notch A)			ISO 179
23°C	40	kJ/m ²	
0°C	9	kJ/m ²	
Optical			
Gloss (60°)	65	----	DIN 67530