



# Jampilen EP440G

Heterophasic copolymer

**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
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	1.3	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
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 °C	500	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	70	J/m	ASTM D256
<b>Thermal</b>			
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