

**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

**Features:**

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

**Typical Applications:**

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

<b>TYPICAL PROPERTIES</b>	<b>VALUE</b>	<b>UNIT</b>	<b>METHOD</b>
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	1.3	g/10min	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Modulus	1450	MPa	ISO 527-1, -2
Tensile Strength at Yield	27	MPa	ISO 527-1, -2
Tensile Elongation at Yield	8	%	ISO 527-1, -2
Tensile Elongation at Break	>50	%	ISO 527-1, -2
Charpy impact strength (Notch A)			ISO 179
23°C	40	kJ/m <sup>2</sup>	
0°C	9	kJ/m <sup>2</sup>	
Rockwell Hardness	92	R-scale	ASTM D785
Hardness (Shore D)	68	----	ISO 868
<b>Optical</b>			
Gloss (60°)	65	----	DIN 67530