

# 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

### Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16 kg)	1.3	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1150	MPa	ASTM D790
Tensile Strength at Yield	23	MPa	ASTM D638
Tensile Elongation at Yield	5	%	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 (B 120 °C/h, 10N)	145	°C	ASTM D1525
H.D.T. (0.46 MPa)	87	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	Hours	ASTM D3012

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