

## 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
<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 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 <sup>2</sup>	
0°C	9	kJ/m <sup>2</sup>	
<b>Optical</b>			
Gloss (60°)	65	----	DIN 67530