

Technical Datasheet EP 440G

1) Product Description:

EP 440G is a nucleated heterophasic copolymer developed for extrusion applications. 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 EP440G are thermoforming, corrugated board and extrusion blow molding.

2) Applications:

- Blown Containers
- Bottles
- Corrugated Sheet
- Crates
- Fittings
- Piping
- Profiles
- Reinforced Panels

3) Typical data:

Property	Test method	Unit	value
Density -Specific Gravity	ISO 1183	g/cm ³	0.900
Melt Flow Rate (230°C/2.16kg)	ISO 1133	g/10 min	1.3
Tensile Modulus	ISO 527-2	MPa	1450
Tensile Stress (Yield)	ISO 527-2	MPa	27.0
Tensile Strain	ISO 527-2		
Yield		%	8.0
Break		%	>50
Charpy Notched Impact Strength	ISO 179/A		
0°C		kJ/m ²	9.0
23 °C		kJ/m ²	40
Gloss (60°)	DIN 67530	-	65

* Typical values not to be construed as specifications.