

# EP440G

## Heterophasic Copolymer

**Description:**

EP440G is a nucleated heterophasic copolymer especially 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.

**Typical Applications**

- Crates
- Panels & Profiles
- Corrugated Sheet
- Conduit pipes and fittings for electrical distribution and cable protection
- Blow molded bottles and containers

**Features:** Very high impact resistance, High stiffness, Good dimensional stability, Excellent creep and deforming resistance, Heterophasic copolymer

**Suitable for:** Thermoforming, Extrusion blow molding

**Product Specification**

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16kg)	1.3	g/10 min	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
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>
Gloss (60°)	65	---	DIN 67530

\* Typical values; not to be considered as product specification.