

### Technical Datasheet

- **Grade Name:** EP440G COPOLYMER
- **Categories:** A nucleated heterophasic copolymer especially developed for extrusion applications.
- **Processing Methods:** Thermoforming, Extrusion blow molding
- **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

Physical Properties			
Properties	Value	Unit	Test Method
MFI( 230 °C/2.16 Kg)	1.3	g/10min	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
Mechanical Properties			
Properties	Value	Unit	Test Method
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) at 23 °C	40	KJ/m <sup>2</sup>	ISO 179
Charpy impact strength (Notch A) at 0 °C	9	KJ/m <sup>2</sup>	ISO 179
Optical Properties			
Properties	Value	Unit	Test Method
Gloss (60° )	65	-	DIN 67530

Typical Properties: These values are not to be considered as product specifications.

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