PHOENIX
LAND
INTERNATIONAL
TRADING

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/cm³	ISO 1183
Mechanical Properties			
Properties	**Value**	**Unit**	**Test Method**
Flexural Modulus	1300	MPa	ASTM D790
Tensile Strength at Yield	25	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Izod impact strength (Notch) at 23 °C	500	J/m	ASTM D256
Izod impact strength (Notch) at -20 °C	70	J/m	ASTM D256
Thermal Properties			
Properties	**Value**	**Unit**	**Test Method**
Vicat Softening Point (10 N)	150	°C	ASTM D1525
H. D. T. (0.46 MPa)	92	°C	ASTM D648
Accelerated Oven ageing in air at 150 °C	360	Hours	ASTM D3012

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