



PHOENIX

LAND
INTERNATIONAL
TRADING

Technical Datasheet

- **Grade Name:** EP440L COPOLYMER
- **Categories:** a medium flow heterophasic polypropylene copolymer with improved mechanical properties balance.
- **Processing Methods:** Injection molding
- **Applications:** Packaging, automotive and consumer goods industries Luggage, paint pails, buckets Containers, crates, batteries and large toys
- **Features:** High impact strength, High stiffness, Heterophasic copolymer

Physical Properties			
Properties	Value	Unit	Test Method
MFI(230 °C/2.16 Kg)	6	g/10min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Mechanical Properties			
Properties	Value	Unit	Test Method
Flexural Modulus	1400	MPa	ASTM D790
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Elongation at Yield	9	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	170	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	70	J/m	ASTM D256
Shore hardness (Shore D)	68	-	ISO 868
Thermal Properties			
Properties	Value	Unit	Test Method
H. D. T (0.46 MPa)	95	°C	ASTM D648
Vicat Softening Point (10 N)	152	°C	ASTM D1525
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

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

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