



PHOENIX

LAND
INTERNATIONAL
TRADING

Technical Datasheet

- **Grade Name:** HDPE Injection 52B02
- **Categories:** Polymer, Thermoplastic, Polyethylene, High Density Polyethylene
- **Processing Methods:** Extrusion, Injection Molding, Rotational Molding
- **Applications:** Caps and closures for packaging, Bottles of Carbonated Water
- **Features:** Good impact strength, Excellent surface finish, Low warpage Plastic

Physical Properties			
Properties	Value	Unit	Test Method
MFI (190°C/2.16 KG)	2.3 ± 0.5	g/10min	ISO 1133
Density	0.952±0.002	g/cm ³	ISO 1183
Mechanical Properties			
Properties	Value	Unit	Test Method
Tensile Strength at Yield	20-27	MPa	ASTM D 638
Tensile Strength at Break	>14	MPa	ASTM D 638
Flexural Modulus	1100	MPa	ASTM D 790
Elongation at Break	1000	%	ASTM D 638
Izod Impact Strength, Notched	>50	J/m	ASTM D 256
Thermal Properties			
Properties	Value	Unit	Test Method
Vicat Softening Point	123	°C	ASTM D 1525
Stress cracking resistance (F50)	>30	hr	ASTM D 1693

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

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