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## SLA, SLS, FDM, CNC, Cast Urethanes, Injection Molding & Sheet Metals

## SIDPEC EGYPTENE® HD 5502 GA HDPE Blow Molding

Polymer; Thermoplastic; Polyethylene; HDPE; High Density Polyethylene (HDPE), Blow Molding Grade Categories:

**Material Notes: Applications:** 

- Blow molded containers up to 30 liters for packaging
- Chemicals
- Household products
- Oils and foodstuffs

Information provided by Interchim s.r.l., official distributor of Sidi Kerir Petrochemicals Co. (SIDPEC) Products

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Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in <sup>3</sup>	ISO 1872/1
ESCR, Bottle	25.0 hour	25.0 hour	50 °C; BP 13C/25
Melt Flow	0.200 g/10 min	0.200 g/10 min	2.16 kg; ISO 1133
Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	BP 13B/1
Elongation at Break	1000 %	1000 %	BP 13B/1
Flexural Modulus	1.00 GPa	145 ksi	ISO 178-1975
Impact	3.30	3.30	M, F50; BP 13B/11

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