



PERSIAN GULF POLYMER

# HIGH DENSITY POLYETHYLENE HDPE - CC52502

HDPE for Injection Molding (Caps & Closures)

*Better Decision for better Production.*

LDPE | LLDPE | MDPE | **HDPE** | PP | PVC | GPPS | HIPS | EPS | PET | ABS | SBR | PBR | PC

- A. Product Description:** CC52502 is a Narrow MWD HDPE specially designed for mineral water bottles and beverage caps. This grade has excellent organoleptic properties which prevent unpleasant odor and taste from cap or closure to transfer to water. It has good gas permeability characteristics, superior process ability and excellent mechanical strength. HDPE CC52502 does not contain slip agent.
- B. Application:** Caps and closures for mineral water bottles, Caps for sparkling water and carbonated soft drinks, beverage caps.
- C. Features:** Narrow MWD HDPE, excellent organoleptic property, superior processability and excellent mechanical strength, good gas permeability characteristics
- D. Additives:** HD-CC52502: Antioxidants/Acid scavenger
- E. Material properties** (This data are typical values and are not to be construed as product specifications.)

Property	Unit	Value	Test Method
Density	(g/ml)	0.952	ASTM D 1505
MFR(190°C/2.16kg)	(g/10min)	2	ASTM D 1238
Vicat Softening Point	° C	124	ASTM D 1525
Flectural Modulus	MPa	1000	ASTM D 790
Tensile Strenght at Yield	MPa	25	ASTM D 638
Tensile Strenght at Break	MPa	38	ASTM D 638
HDT	°C	78	ASTM D 648
Notched Izod Impact @ 23 °C	J/m	180	ASTM D 256/A

- On compression molded according to ASTM D1928C

### Processing Conditions:

Recommended barrel tempratures range is between 160 °C and 190 °C

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