





HD52505
HD52505UV

PRODUCT DATA SHEET

52505 is a HDPE copolymer which is manufactured by gas phase process. This grade is an injection molding grade for applications requiring a good physical property even at low temperatures, like pails, containers and technical moldings.

HDPE: HD52505 | HD52505UV

Characteristic Properties

- Good physical property even at low temperatures.

Density: 0.950 - 0.954

Main Applications

- Caps and closures for mineral water bottles
- Caps for sparkling water and carbonated soft drinks, beverage caps.
- Pallets , pails

MFI: 4 - 6

Additives

HD-52505:

- Thermal Antioxidant (Process Stabilizer)
- Catalyst neutralizer (acid scavenger, lubricant)

HD-52505 UV:

- Thermal Antioxidant(Process Stabilizer)
- Antiblocking Agent
- Catalyst neutralizer (acid scavenger, lubricant)
- UV Stabilizer

Material properties (This data are typical values and are not to be construed as product specifications.)

Resin Properties	Unit	Typical Value	Test Method
Melt Index (190°C/ 2.16Kg)	g/10 min	5	D1238
Density	g/cm^3	0.952	D1505
Thermal Properties			
Vicat Softening Point	°C	124	D1525
Molded Properties			
Flectural Modulus	MPa	1200	D790
Tensile Strength at Yield	MPa	27	D638
Tensile Strength at Break	MPa	13	D638
H.D.T	°C	76	D648
Notched Izod Impact @ 23 °C	J/m	29	D256/A
Properties on compression molded specimen obtained according to ASTM D 1928 C			