

Technical Data Sheet

HD 52505/52505 UV

High Density Polyethylene

52505 is a HDPE copolymer which is manufactured in 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.

Application:

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

Properties	Unit	Value	Test Method
Melt Index(190 °C/2.16 Kg)	g/10 min	5	D1238
Density	g/cm ³	0.952	D1505
Thermal Properties	Unit	Value	Test Method
Vicat Softening Point	°C	124	D1525
Thermal Properties	Unit	Value	Test Method
Flectural Modulus	Mpa	1200	D790
Tensile Strenght at yield	Mpa	27	D638
Tensile Strenght at Break	Mpa	13	D638
H.D.T	°C	67	A648
Notched izod impact @ 23°C	J/m	29	D256/A