



## HDPE 52505

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.



### MAIN APPLICATIONS :

CAPS AND CLOSURES FOR  
MINERAL WATER BOTTLES

CAPS FOR SPARKLING WATER AND  
CARBONATED SOFT DRINKS,  
BEVERAGE CAPS.

| Resin Properties            | unit              | Typical Value | Test Method |
|-----------------------------|-------------------|---------------|-------------|
| Melt Index (190°C/ 2.16Kg)  | g/10 min          | 5             | D1238       |
| Density                     | g/cm <sup>3</sup> | 0.952         | D1505       |
| Thermal Properties          | Unit              | Typical Value | Test Method |
| Vicat Softening Point       | °C                | 124           | D1525       |
| Molded Properties           | Unit              | Typical Value | Test Method |
| Flectural Modulus           | Mpa               | 1200          | D790        |
| Tensile Strength at Yield   | Mpa               | 27            | D638        |
| Tensile Strength at Break   | Mpa               | 13            | D638        |
| H.D.T                       | °C                | 67            | D648        |
| Notched Izod Impact @ 23 °C | J/m               | 29            | D256/A      |

