



VinPol™ HD0252

High Density Polyethylene

Melt Index: 2

Density: 0.952

VINPOL HD0252 is a high density polyethylene designed for injection and compression molding with an excellent balance of stiffness, toughness, organoleptics and environmental stress crack resistance. It is a top choice for caps and closures and collapsible tubes for water, CSD and other food and non-food products.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 kg at 190 °C	2	g/10 min	ISO 1133-1
Melt Index, 5 kg at 190 °C	5.6	g/10 min	ISO 1133-1
Density	0.952	g/cm ³	ISO 1133-1
Tensile Stress at Yield	25	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Tensile Modulus	1,100	MPa	ISO 527-1, -2
ESCR, Cap test (4 MPa, 2% Arkopal, 50°C)	>= 45	hrs	Supplier Method
Charpy Izod Impact Strength, Notched, 23°C	10.4	kJ/m ²	ISO 179
Charpy Izod Impact Strength, Notched, -30°C	5.3	kJ/m ²	ISO 179
Vicat Softening Point, B50	74	°C	ISO 306
Shore Hardness	70	Shore D	ISO 868

