

HD2502C

High Density Polyethylene Resin

Special Characteristics: InnoPlus HD2502C is high density polyethylene which specially designed for beverage caps application. InnoPlus HD2502C exhibit very good processibility and has excellent organoleptic properties.

Additive InnoPlus HD2502C: non slip agent grade

Typical Applications: Beverage caps for mineral, still and sparkling water etc.

Typical Properties:

Properties	HD2502C	Unit	Test Method
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	0.86	g/10 min	ASTM D1238
Density	0.962	g/cm ³	ASTM D1505
Vicat Softening Point @ 10 N, 50 °C /hr	126	°C	ASTM D1525
Melting Temperature	132	°C	ASTM D3418
Mechanical Properties			
Tensile Strength at Yield	305	kg/cm ²	ASTM D638
Tensile Strength at Break	262	kg/cm ²	ASTM D638
Elongation at Break	>1000	%	ASTM D790
Flexural Modules	15,500	kg/cm ²	ASTM D256
Notched Izod Impact Strength	4.4(C) *	kg.cm/cm	ASTM D2240
Durometer Hardness	65.5	Shore D	ASTM D1693
ESCR, F ₅₀ (Condition B, 10 % Igepal)	74	hrs	

* C = Complete Break

Recommendation:

Injection molding process— Extrusion temperature: 180 -230 °C,
Compression molding process— Extrusion temperature 160 - 230 °C

FDA Statement:

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.