

HD3201C

High Density Polyethylene Resin

Special Characteristics : InnoPlus HD3201C is high density polyethylene which specially designed for beverage caps application.

InnoPlus HD3201C exhibit very good processability, easy to open and has excellent organoleptic properties.

Additive InnoPlus HD3201C is Non Slip Agent grade

Typical Applications : Beverage caps for mineral & stilled water, juice, tea and dairy etc.

Typical Properties :

Properties	HD3201C	Unit	Test Method
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	1.70	g/10 min	ASTM D1238
Density	0.965	g/cm ³	ASTM D1505
Vicat softening point	124	°C	ASTM D1525
Melting Temperature	132	°C	ASTM D3418
Mechanical Properties			
Tensile Strength at Yield	320	kg/cm ²	ASTM D638
Tensile Strength at Break	200	kg/cm ²	ASTM D638
Elongation at Break	>1,000	%	ASTM D638
Flexural Modulus	15,700	kg/cm ²	ASTM D790
Notched Izod Impact Strength	3.0 (C)*	kg.cm/cm	ASTM D256
Durometer Hardness	66.5	Shore D	ASTM D2240
ESCR, F ₅₀ (Condition B, 10 % Igepal)	48	hrs	ASTM D1693

* C = Complete Break

Recommendation :

Injection molding process— Extrusion temperature : 170 - 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.

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Note : Properties reported here are typical values of the product, not to be considered as specifications.

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