

HM035NB

Post Consumer Recycled High Density Polyethylene Resin

Special Characteristics : HM035NB is purple color recycled high density polyethylene blow molding grade. They are used for wide variety blow molding applications of small to medium size container for detergent and personal care containers. Recycled plastic source is from post-consumer recycle bottle, which is collected from domestic waste only.

Typical Applications : Personal care containers, Detergent containers, Lubricant oil containers

Typical Properties :

Properties	HM035NB	Unit	Test Method
Physical Properties			
Melt Flow Rate (2.16 kg/190°C)	0.58	g/10 min	ASTM D1238
Density	0.959	g/cm ³	ASTM D1505
Limonene	Max. 3	ppm	ENV-Method
Mechanical Properties (Based on compression specimens)			
Tensile Strength at Yield	270	kg/cm ²	ASTM D638
Tensile Strength at Break	160	kg/cm ²	ASTM D638
Elongation at Break	330	%	ASTM D638
Flexural Modulus	12,600	kg/cm ²	ASTM D790
Notched Izod Impact Strength	6	kg.cm/cm	ASTM D256
Color Properties on pellet			
L*	Min. 34	-	CIELAB
a*	0 ± 2	-	CIELAB
b*	-10 ± 5	-	CIELAB

Recommendation:

Extruder temperature : 165 -190 °C

Die temperature : 180 - 195 °C