

HW035NB

Post Consumer Recycled High Density Polyethylene Resin

Special Characteristics : HW035NB is opaque white color recycled high density polyethylene blow molding grade. They are used for wide variety blow molding applications of small to medium size container. Recycled plastic source is from post-consumer recycle home and personal care bottle, which is collected from domestic waste only.

Typical Applications : Personal care containers, Detergent containers, Cosmetic containers

Typical Properties :

Properties	HW035NB	Unit	Test Method
Physical Properties			
Melt Flow Rate (2.16 kg/190°C)	0.46	g/10 min	ASTM D1238
Density	>0.970	g/cm ³	ASTM D1505
Mechanical Properties (Based on compression specimens)			
Tensile Strength at Yield	277	kg/cm ²	ASTM D638
Tensile Strength at Break	157	kg/cm ²	ASTM D638
Elongation at Break	490	%	ASTM D638
Flexural Modulus	13,700	kg/cm ²	ASTM D790
Notched Izod Impact Strength	6	kg.cm/cm	ASTM D256
ESCR, F ₅₀ (Condition B, 25 % Igepal)	24	hrs	ASTM D1693

Recommendation:

Extruder temperature : 165 -190 °C

Die temperature : 180 - 195 °C

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however, we do not assume any liability what so ever for the accuracy and completeness of such information. We make no warranties which extend beyond the description contained herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products. No liability can be accepted in respect of the use of our products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

Note : Properties reported here are typical values of the product, not to be considered as specifications.
GC makes no representations as to the accuracy or completeness of the information contained herein.