

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

**Recommendation:**

Extruder temperature : 165 -190 °C

Die temperature : 180 - 195 °C

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