



Technical Product Specification

RePro™ | HDMBM01– High Density Polyethylene PCR Resin

Product Description:

HDMBM01 is a High Molecular Weight High Density Polyethylene grade. It is available in Blue Colour made out of Post-Consumer HDPE Waste. It is blended with required additives during manufacture to exhibit good stiffness and melt.

Suitable Uses: Medium Volume Blow Moulded Containers.

Typical Properties:

Property	Reference Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (190° C/5 kg)	0.3-0.5	g/10 min
	ASTM D1238 (190° C/21.6 kg)	<10	
Density (23°C)	ASTM D792	0.940-0.970	g/ cm ³
Ash content	ASTM D5630 (800°C)	<1.0	%
Tensile Strength Yield	ASTM D638	20	MPa
Flexural Strength	ASTM D790	NA	MPa
Flexural Modulus	ASTM D790	>900	MPa
Charpy Impact Strength – Notched	ASTM D6110	NA	kJ/m ²
Izod Impact Strength – Notched	ASTM D256	20.00	kJ/m ²
Hardness	ASTM D2240	60	Shore D
Filter mesh	-	80	Mesh/Sq In
Colour & Appearance	Visual	Blue	-

Storage: Material should be stored in dry/room temperature (below 50°C) and protected from direct sun light.

Product Photo:



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