



Technical Product Specification

Re Pro | HDBY03 – High Density Polyethylene PCR Resin

Product Description:

HDBY03 is a High Density Polyethylene General Purpose extrusion blow moulding grade. It is Blue in colour and is made out of 100% Post consumer HDPE waste. It can be extruded with considerable ease on any conventional HDPE extruder. It is blended with required additives during the manufacturing process to exhibit good stiffness and melt. The material is De-odorized. Material is free from odour and does not have any metal contamination.

Suitable Uses: For use in all Non-food contact Bottle applications in personal care, home care and Lube oils

Product Photo:



Typical Properties:

Property	Reference Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (190° C/5 kg)	1.2-1.5	g/10 min
	ASTM D1238 (190° C/2.16 kg)	NA	
Density (23°C)	ASTM D792	0.950-0.980	g/ cm ³
Ash content	ASTM D5630 (800°C)	<2	%
Flexural Strength	ASTM D790	11	MPa
Flexural Modulus	ASTM D790	>1100	MPa
Izod Impact Strength – Notched	ASTM D256	8.5	kJ/m ²
Hardness	ASTM D2240	60	Shore D
Filter mesh	-	120	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.

Version: 1.0

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Signed: