



Technical Product Specification

Re Pro | HDGY03– High Density Polyethylene PCR Resin

Product Description:

HDGY03 is a High Density Polyethylene General Purpose extrusion blow moulding grade. It is Grey 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:



Test Parameters:

Test Parameter	Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (190° C/5 kgs)	1.4 - 1.7	gm/10 min
	ASTM D1238 (190° C/2.16 kgs)	0.36-0.42	
Density	ASTM D792 23° C	0.960 – 0.975	gm / cm3
Tensile Strength Yield	ASTM D638	23-25	mpa
Elongation at break	ASTM D638	470-490	mpa
Ash content	ASTM D5630	<2.5	%
Filter mesh		120	Mesh/Sq In
LAB Colour Value	L:43.7 A:-2.9 B:-0.5	Δ E: ≤ 2	-

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