



Technical Product Specification

Re Pro | HDM02 – High Density Polyethylene PCR Resin

Product Description:

HDM02 is a High Density Polyethylene General Purpose extrusion blow moulding grade. It is White 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-odourised. Material is free from odour and does not have any metal contamination.

Suitable Uses: Oil Cans, Shampoo bottles and other general purpose blow moulding containers.

Product Photo:



Test Parameters:

Test Parameter	Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (190° C/5 kgs)	1.4 - 1.6	gm/10 min
	ASTM D1238 (190° C/2.16 kgs)	0.30-0.33	
Density	ASTM D792 23° C	0.960 – 0.980	gm / cm3
Tensile Strength Yield	ASTM D638	23-25	mpa
Flexural modules	ASTM D790	725-730	mpa
Ash content	ASTM D5630	<2.5	%
Izod Impact (notched)	ASTM D256	-	KJ/m2
ESCR	ASTM D1693	Min 20 Hrs	Hrs
Filter mesh		150	Mesh/Sq In
LAB Colour Value	NA	L - 75± 0.5 A-0.5 B-7.9	-

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