



Technical Product Specification

RePro™ | HMP – High Density Polyethylene PCR Resin

Product Description:

HMP is a High Density Polyethylene General Purpose extrusion blown film grade. It is Grey in colour and it is made out of 100% Post consumer HDPE Film 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: Material is suitable for wide application of Extrusion Blown Film.

Product Photo:



Typical Properties:

Property	Reference Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (190° C/2.16 kg)	0.2-0.4	g/10 min
Density (23°C)	ASTM D792	0.920-0.950	g/cm ³
Ash content	ASTM D5630 (800°C)	<10	%
Tensile Strength-Yield(MD/TD)	IS 2508/ASTM D 882	18/11	MPa
Ultimate tensile strength (MD/TD)	IS 2508/ASTM D 882	27/17	MPa
Elongation at Break (MD/TD)	IS 2508/ASTM D 882	360/730	%
Dart Impact Strength(F50)	IS 2508/ASTM D 1709	NA	g/micron
Filter mesh	-	120	Mesh/Sq In
Colour & Appearance	VISUAL	Grey	-

Note: Typical properties are measured on 30 micron film.

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

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