



Technical Product Specification

RePro™ | HMN01 – Recycled Post Consumer HM-HDPE Resin

Product Description:

HMN01 is 100% Recycled post-consumer high molecular weight, high density polyethylene (HM-HDPE) produced from flexible HM-HDPE packaging waste (Secondary Packaging).

Suitable Uses: Material is suitable for wide application of Extrusion Blown Film.

Typical Properties:

Property	Reference Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (190° C/2.16 kg)	0.2-0.5	g/10 min
Density (23°C)	ASTM D792	0.98-1.210	g/cm ³
Ash content	ASTM D5630 (800°C)	<20	%
Tensile Strength-Yield(MD/TD)	IS 2508/ASTM D 882	14/11	MPa
Ultimate tensile strength (MD/TD)	IS 2508/ASTM D 882	19/15	MPa
Elongation at Break (MD/TD)	IS 2508/ASTM D 882	445/725	%
Filter mesh	-	120	Mesh/Sq In
Colour & Appearance	VISUAL	Transparent	-

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.

Product Photo:



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