



# Technical Product Specification

## Re Pro | HDP01 – High Density Polyethylene PCR Resin

### Product Description:

HDP01 is a High Molecular Weight High Density Polyethylene grade. It is available in Black Colour made out of 100% Post-Consumer HDPE Waste. It is blended with required additives during manufacture to exhibit good stiffness and melt.

**Suitable Uses:** For use in all Non-food contact Extrusion applications including pipe grade.

### Product Photo:



### Typical Properties:

Property	Reference Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (190° C/5 kg)	0.3-0.4	g/10 min
Density (23°C)	ASTM D792	0.960 – 0.975	g/ cm <sup>3</sup>
Ash content	ASTM D5630 (800°C)	<2	%
Flexural Strength	ASTM D790	11	MPa
Flexural Modulus	ASTM D790	>900	MPa
Izod Impact Strength – Notched	ASTM D256	6.5	kJ/m <sup>2</sup>
Hardness	ASTM D2240	60	Shore D
Filter mesh	-	120	Mesh/Sq In
Colour & Appearance	Visual	Black	-

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

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