



Technical Product Specification

RePro™ | PPN100 – Polypropylene homo polymer Resin

Product Description:

PPN100 is a formulated polypropylene homo polymer grade consisting of BOPP Natural PCR material single resin. PPN100 is recommended for making General Purpose, Co-extruded, Bi-axially Oriented Polypropylene (BOPP) film and Metallisable BOPP films used in packaging applications. The material exhibits good process ability with excellent mechanical properties. This material is blended with required additives to enhance its performance. It is currently available in Clear colour.

Suitable Uses: Snack food/FMCG packaging, Cigarette overwraps, Adhesive Tapes & Plain Textile packaging films.

Typical Properties:

Property	Reference Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (230° C/2.16 kg)	10-12	g/10 min
Density	ASTM D792 (23°C)	0.900– 0.920	g/ cm ³
Ash content	ASTM D5630 (800°C)	<1	%
Tensile Strength Yield	ASTM D638	25	MPa
Elongation at break	ASTM D638	8	%
Flexural Strength	ASTM D790	>15	MPa
Flexural Modulus	ASTM D790	>1100	MPa
Charpy Impact Strength – Notched	ASTM D6110	NA	kJ/m ²
Izod Impact Strength – Notched	ASTM D256	2.76	kJ/m ²
Hardness	ASTM D2240	71.2	Shore D
Filter mesh	-	120	Mesh/Sq In
Colour & Appearance	Visual	Natural dull	-

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

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Product Photo:



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