

Technical Product Specification

RePro™ | LDN 400 – Recycled consumer LDPE/LLDPE Resin

Product Description:

LDN 400 IS 100% recycled post-consumer Linear Density Polyethylene (LDPE)/Linear Low-Density Polyethylene (LLDPE) produced from mix packaging (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)	0.8 – 1.2	g/10 min
Density (23°C)	ASTM D792	0.910 – 0.935	g/cm ³
Ash content	ASTM D5630 (800°C)	<1.5	%
Moisture	Lucro standard	<0.2	%
Tensile Strength-Yield(MD/TD)	IS 2508/ASTM D 882	10/8	MPa
Ultimate tensile strength (MD/TD)	IS 2508/ASTM D 882	26/22	MPa
Elongation at Break (MD/TD)	IS 2508/ASTM D 882	560/760	%
Dart Impact Strength(F50)	IS 2508/ASTM D 1709	3	g/micron
Filter mesh	-	120	Mesh/Sq In
Colour & Appearance	VISUAL	Dull natural	-

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:



Version: 2.0

Specification Date: 18/09/2026

Signed: