



AS12000N

HOMOPOLYMER FOR MELT BLOWN NON-WOVEN

Repol AS12000N is an ultra-high melt flow, narrow molecular weight distribution polypropylene homopolymer grade used for Melt Blown Non-Woven. High Melt Flow and Narrow MWD helps in optimum processing / line speeds and can be melt blown in to ultra-fine denier fibers.

BIS Designation Code: IS 10951-1-CB-G

Typical Characteristics

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230 °C/2.16 kg) [§]	ASTM D1238	g/10 min	1200
Density	ASTM D792	g/cc	0.90
Melting Temperature	ASTM D3418	°C	161 - 165

* Typical values, not to be taken as specification.

Typical Processing Conditions

Extrusion Temperature: 260 – 290 °C

Note: Processing parameters mentioned above are for reference only and not to be considered as specifications. They may vary based on the product to be manufactured.

Applications

Melt blown nonwoven fabrics for Absorption & Filtration, Hygiene & Medical Disposables, Masks, Wipes and others.

Regulatory Information

The product complies with Indian Standard IS 10910 on “Specification for polypropylene and its copolymers for safe use in contact with foodstuffs, pharmaceuticals and drinking water. It also conforms to IS 16738:2018 on positive list of constituents for polypropylene, polyethylene and their copolymers for its safe use in contact with foodstuffs and pharmaceuticals. The grade and the additives incorporated in it also comply with the FDA : CFR Title 21,177.1520, Olefin polymers. Not to be used in the manufacture of Single Use Plastic (SUP) items prohibited under PWM Rules, 2016.

Storage Recommendations

Bags should be stored in dry / closed conditions at temperatures below 50°C and protected from UV / direct sunlight