AS12000N

HOMOPOLYMER

FOR MELT BLOWN NON-WOVEN

Repol AS12000N is an ultra-high melt flow, narrow molecular weight distribution polypropylene homopolymer made from Spheripol Technology in Spheribeed form. This is a Unique technology which allows to manufacture Polymer in Spheribeed form in the reactor and avoids extrusion & Pelletization with better thermal stability.

High Melt Flow and Narrow MWD helps in optimum processing / line speeds and can be melt blown in to ultra-fine denier fibers. This grade can be used on Standalone Melt Blown and can be also used on Spun & Melt Blown Composite Lines

Typical Characteristics

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230 ^{o}C/2.16 kg)$	ASTM D1238	gm/10 min	1200
Density	ASTM D792	g/cc.	0.90
Melting Temperature	ASTM D3418	^{O}C	161 - 165

* Typical values, not to be taken as specification.

$ Melt Flow rate is tested as per ASTM D1238 – Method C, The Value indicated is an Aim Value only and range is in accordance with ASTM D 4101 – 17.

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.

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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

Storage Recommendations

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

DISCLAIMER

The information contained herein may include typical properties and processing parameters of the grade or its typical performances when used in respective applications. The values given above are based on analysis of representative samples and not the actual product supplied. It is the customer’s responsibility to inspect and test our grades in order to satisfy itself as to the suitability of the products for customers’ particular application. The customer is solely responsible for all determinations regarding any use of material or product and any process in its area of interest. RIL assumes no obligation or liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of using any of the information or product given in this document. The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or international. The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorized agents, as the information and/or data is subject to change based on the research and development work undertaken by the company.