



# AS4000N

## HOMOPOLYMER FOR MELT BLOWN NON-WOVEN

Repol AS4000N is an ultra-high melt flow 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. 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 °C/2.16 kg) <sup>§</sup>	ASTM D1238	gm/10 min	400
Density	ASTM D792	g/cc.	0.90
Melting Temperature	ASTM D3418	°C	161 - 165

\* Typical values, not to be taken as specification.

<sup>§</sup> 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: 240 – 280 °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 Water filter cartridges, Melt flow modifiers in compounding & masterbatch manufacturing.

### 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