



Moplen HF461Y

Polypropylene, Homopolymer

Product Description

Moplen HF461Y is a polypropylene homopolymer. Its main application is in ultra fine denier melt blown non-wovens, with typical end use products including diapers, sanitary napkins, oil absorbent mats, wipes, masks, air filtration media, and wet tissues. Moplen HF461Y has a high melt flow and narrow molecular weight distribution, which promotes thread line continuity, reduces lint, and spins ultra fine denier fibers. Non-woven fabrics produced with these fibers exhibit better overall properties than those made with conventional polypropylene. Moplen HF461Y can also be processed at a reduced temperature vs. conventional polypropylene. This feature, combined with the product's high melt flow and excellent spinnability and drawability, creates a low energy, high speed, high productivity manufacturing process for non-wovens.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Method	Melt Blown
Features	High Flow , Homopolymer
Typical Customer Applications	Absorption & Filtration, Hygiene Nonwoven, Wipes/Tissues

Typical Properties	Method	Value Unit
Physical		
Melt flow rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	1500 g/10 min
Density	ASTM D 1505	0.9 g/cm ³

Notes

Typical properties; not to be construed as specifications.

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- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
- ┆ Basell International Trading FZE
- ┆ LyondellBasell Australia Pty Ltd

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Users should review the applicable Material Safety Data Sheet before handling the product.

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