



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

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|-------------------------------|--|
| Status | Commercial: Active |
| Test Method used | ASTM |
| Availability | Asia-Pacific, Australia/NZ, Africa-Middle East |
| Processing Methods | 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/cm³ |

Notes

Typical properties; not to be construed as specifications.