

Total Petrochemicals

3860X and 3962

Ultra-high melt flow rate resins for melt blown nonwovens

Polypropylene



Polypropylene is widely used for the production of melt blown and composite nonwoven fabrics for hygiene, medical, sorbent, filtration and other markets.

Total Petrochemicals' Ultra-High Melt Flow PP resins are all pelletized and have been tailored for melt blown processing. Total UHMF PP resins allow Total to offer a full portfolio of polypropylene resins for nonwovens applications, and complement resin offerings for Spunbond and Staple fiber applications.

Total 3860X

100 MFR

Reactor Grade
Homopolymer for
coarser fiber



Total 3962

1300 MFR

Vis-broken
Homopolymer for fine
fiber



Advantages of Total 3962 UHMF resin for fine fibers:

- > **Pelletized form** for handling, cleanliness and consistency.
- > **Covered by U.S. Patent** 6,423,800
- > **Tertiary Butyl Alcohol** (TBA) free formulation
- > **Exceptional processing** on most melt blown machinery



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Total 3962 features

Pelletized form

Total UHMF PP resins are delivered in pelletized form, similar to resins for Spunbond and Staple fiber applications. Unlike UHMF powder-form resins, Total UHMF are cleaner to handle, have no dusting associated with powder-form, and show good intra- and inter-lot consistency.



Patented technology

The product and process to produce Total UHMF PP resin is covered under U.S. Patent 6,423,800. Such technological development is indicative of Total's ongoing commitment to the nonwovens industry.



Tertiary Butyl Alcohol (TBA) free formulation

Total UHMF PP resins are produced using Ziegler-Natta catalyst and are vis-broken using a proprietary additive. Unlike other additives used for other vis-broken grades, the additive used by Total is tertiary butyl alcohol-free. The use of this additive makes Total UHMF PP resins a more hygienic choice. Total UHMF PP resins are FDA compliant.

Exceptional processing

Total UHMF PP resins can be processed at high rates on most melt blown processing equipment to produce targeted fine denier, high loft nonwoven fabrics. Total UHMF PP resins are suitable for 100%, SMS, and other composite structures.

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