

ThermoFlow® Chopped Strand 636 for PP

PRODUCT DESCRIPTION:

ThermoFlow® chopped strands with 636 sizing are produced by chopping E-glass fibers coated with a silane based sizing. Johns Manville technology enables the product to achieve excellent bulk density and flow characteristics, which allows the fibers to be fed into the extruder with a very low generation of fuzz compared to standard chopped strand products. ThermoFlow® chopped strands with 636 sizing provides exceptional strand integrity, clean feeding, and uniform fiber distribution when used in glass reinforced polypropylene requiring higher heat resistance.

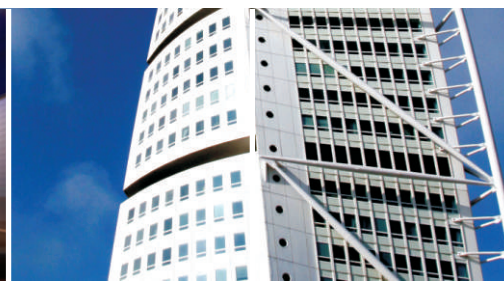
BENEFITS:

- Excellent mechanical properties in Polypropylene DAM as well as after aging in hot water/detergent solution
- Excellent white color performance in application for white appliances and detergent resistance
- 636 can be used as reinforcement for plastics in food contact applications (repeated use) in the EU and USA
Please contact us for further details
- Optimal strand integrity with effective fiber dispersion
- Improved flow yields reliable supply to the extruder resulting in more consistent properties
- Reduced fines content increases customer productivity due to less cleaning maintenance
- Improved bulk density increases net package weight translating to less storage and handling costs



RESIN COMPATIBILITY:

- Polypropylene



DESIGNATION:

JM designation	Glass type	Filament diameter (µm) [min - max]	Sizing designation	Chopped strand length (mm)
CS EC 13 636 4 mm	E	13 [12.4 - 13.6]	636	4 [3 - 5]*
Test Method	ASTM D 578	SOP 840 4 11-13	-	SOP 840 4 11-18

* Max. 2% of chopped strands can be out of the length range.

TECHNICAL DATA:

	LOI content (%) Target [Min - Max]	Moisture content maximum (%)	Typical bulk density maximum (ml/50g)
636	0.65 [0.55 - 0.75]	0.08	80
Test Method	STN EN ISO 1887	STN EN ISO 3344	SOP 840 4 11-14

PACKAGING:

Packaging type	Pallet dimensions	Weight per pallet	Bag per pallet
Bulk bag	1140 mm x 1140 mm	1000 kg	1

STORAGE:

It is recommended that glass fiber products be stored in a cool and dry environment. The recommended temperature range for storage is 10°C - max. 30°C (50°F - max. 86°F) and relative humidity between 50 - 75%. The glass fiber products should remain in their packaging until just prior to use. The pallets should be single stacked. When recommended storage conditions are maintained, the shelflife of the products is 12 months in the original packaging.



VALUES:

All data represent typical average values.

Warranty disclaimer:

The physical (or chemical) properties of Johns Manville products represent typical average values obtained in accordance with accepted test methods at the time of manufacture and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check the Johns Manville office to assure current information. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy or other product information, contact your local Sales Representative.



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