

# ThermoFlow<sup>®</sup> 641



## Product description:

ThermoFlow<sup>®</sup> chopped strands with 641 sizing are produced by chopping E-glass fibers coated with a silane based sizing. ThermoFlow<sup>®</sup> 641 provides excellent strand integrity, bulk density and flow characteristics for clean feeding, and uniform fiber distribution when used in glass reinforced polypropylene.

ThermoFlow<sup>®</sup> 641 chopped strands is designed to provide superior performance in polypropylene requiring high detergent resistance.

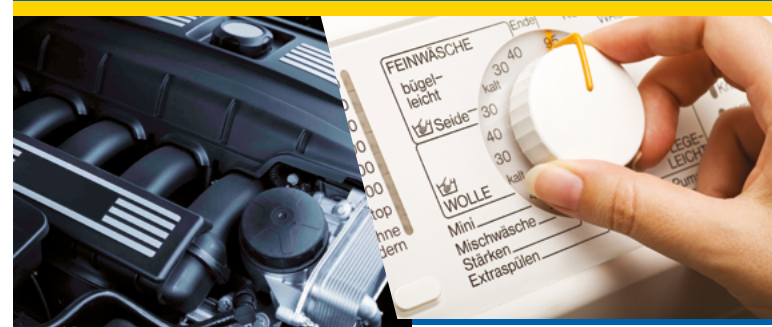
ThermoFlow<sup>®</sup> 641 is designed to reinforce glass reinforced polypropylene in appliances, automotive and general purpose consumers applications.

## Resin compatibility:

- Polypropylene (PP)
- Polyolefins

## Benefits:

- Exceptional composite mechanical properties
- Superior matrix bonding in Polypropylene
- Optimal strand integrity
- Excellent detergent resistance
- Optimal fiber distribution
- Improved flow yields more consistent properties
- Superior as-molded mechanical properties
- Low yellowness



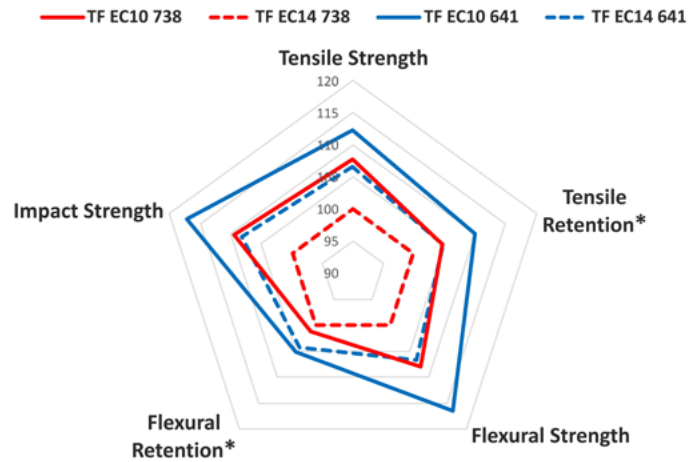
## Designation: Glass type is E-Glass

JM Designation	Region	Filament diameter (µm)	Sizing designation	Chopped strands length
ThermoFlow <sup>®</sup> 641 10 4 mm	NA	10	641	4 mm
ThermoFlow <sup>®</sup> 641 14 4 mm	NA	14		4 mm

**Mechanical properties:**

**Mechanical Properties**

\* retention after 504 h in detergent solution at 95C



**Packaging:**

Region	Packaging Type	Pallet dimensions (inches)	Net Weight per pallet (Lbs)*	Bag per pallet
NA	Bulk Box	45" x 45"	2200 Lbs	1

\* Net weight can vary in function of packaging (values are indicatives).

**Storage:**

These products should be stored in original packaging in dry, roofed, dust free storehouses. The recommended temperature is between 10°C to 30°C (50°F to 86°F). The products should remain in the original packaging and be conditioned in the work area for a minimum of 24 hours prior to use. The pallets should be single stacked unless otherwise specified on the packaging unit.



**Values:**

All data represent typical average values.

**Warranty disclaimer:**

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of this product represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the Regional Sales Office nearest you for the most current information. All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on Johns Manville products, please visit [www.jm.com/en/login/policies-terms-and-conditions](http://www.jm.com/en/login/policies-terms-and-conditions) or call (800)654-3103.



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