

Process Stability. Total Petrochemicals Polypropylene 3866 features excellent processability and gas fade resistance.

FDA. 3866 complies with all applicable FDA regulations for food contact applications.

Recommended Applications. 3866 is recommended for spunbond nonwoven fabric high speed melt spinning applications, multifilament yarns, and extrusion coating.

Processing. 3866 resin processes on conventional extrusion equipment with typical melt temperatures of 400-480°F (204-250°C). Call the nearest Total Petrochemicals Polypropylene Sales Office for additional information.

<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow, g/10 min.	35	D-1238 Condition L
Density, g/cc	0.905	D-1505
Melting Point, °F (°C)	330 (165)	DSC ⁽²⁾

Fiber Properties, 2.5dpf Multifilament^{(1) (3)}

Tenacity, g/denier	2.1	D-3218
Elongation, %	150	D-3218

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

(3) Samples processed at 450 degrees F (232°C) extrusion temperature, 4,000 m/min winding speed with 1:1 draw ratio.

3866 10/05

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TOTAL products must be guided by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or misapplication of its products. TOTAL MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL'S liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.