

Easy Flow. TOTAL Polypropylene 3825 exhibits exceptionally easy flow characteristics.

FDA. TOTAL Polypropylene 3825 complies with all applicable FDA regulations for food contact applications.

Recommended Applications. TOTAL Polypropylene 3825 is recommended for large thin wall parts, caps, and closures.

Processing. TOTAL Polypropylene 3825 resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C). Call the nearest TOTAL Polypropylene Sales Office for additional information

Resin Properties

Melt Flow, g/10 min.

Typical Values

30

ASTM Methods

D-1238 Condition

Density, g/cc

0.905

D-1505

Melting Point, °F (°C)

330 (165)

DSC⁽²⁾

Mechanical Properties

Tensile @ Yield, psi (M Pa)

4,800 (33.1)

D-638

Elongation, %

12

D-638

Tensile Modulus, psi (M Pa)

210,000 (1,450)

D-638

Flexural Modulus, psi (M Pa)

220,000 (1,520)

D-790

Izod Impact @ 73°F

D-256A

Notched - ft.lb./in. (J/m)

0.4 (21.4)

Unnotched - ft.lb./in. (J/m)

16.0 (855)

Hardness

Rockwell R

104

D-785A

Thermal Properties

Heat Deflection

D-648

°F @ 66 psi

250

°C @ 4.64 kg/cm²

121

(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.

3825 10/04

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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 miss application 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.