

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

Molding Homopolymer -
Easy Flow Injection

3825

POLYPROPYLENE

Resin Properties

Melt Flow, g/10 min.

30

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.