

Random Copolymer –
Blow Molding Grade With
Improved Impact and Clarity

7238

POLYPROPYLENE

Impact Strength. TOTAL Polypropylene 7238 offers excellent impact strength, clarity and gloss.

Lubricated. TOTAL Polypropylene 7238 offers superior core rod release for ease in processing.

High Purity. TOTAL Polypropylene 7238 features minimum taste and odor, and optimum thermal stability for superior color and processability.

Regulatory. TOTAL Polypropylene 7238 complies with all applicable FDA regulations for food contact applications.

Recommended Applications. TOTAL Polypropylene 7238 is recommended for blow molded containers for food, drug, cosmetic and toiletry applications requiring superior impact strength and clarity.

Processing. TOTAL Polypropylene 7238 resin processes on conventional blow molding equipment with typical melt temperatures of 390-450°F (177-232°C). Call the nearest TOTAL Polypropylene Sales Office for additional information.

Resin Properties⁽¹⁾

Melt Flow, g/10 min.

2

D-1238 Condition "L"

Density, g/cc

0.900

D-1505

Melting Point, °F (°C)

289 (143)

DSC⁽²⁾

Mechanical Properties⁽¹⁾

Tensile, psi (M Pa)

3,600 (23.4)

D-638

Elongation, %

11

D-638

Tensile Modulus, psi (M Pa)

140,000 (827)

D-638

Flexural Modulus, psi (M Pa)

120,000 (689)

D-790

Izod Impact @ 73°F

D-256A

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

1.3 (69.4)

Thermal Properties⁽¹⁾

Heat Deflection

D-648

°F @ 66 psi

190

°C @ 4.64 kg/cm²

88

- (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.

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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.

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