



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 5948WZ

Technical Data Sheet
Polypropylene – Impact Copolymer
Produced in the United States

Description

Polypropylene 5948WZ is an impact copolymer with a Melt Flow of 84 g/10min.

5948WZ is characterized by excellent stiffness and impact resistance, excellent antistatic properties, as well as extremely good flow properties to allow faster cycling through early demolding.

5948WZ complies with all applicable FDA regulations for food contact applications.

5948WZ has been developed for high-speed injection molding of thin-walled packaging containers and household articles.

Characteristics

| | Method | Unit | Typical Value |
|---|--------------|-------------------|-------------------|
| Rheological Properties | | | |
| Melt Flow | D-1238 | g/10 min | 84 |
| Mechanical Properties | | | |
| Tensile Strength at Yield | D-638 | psi (MPa) | 3,600 (25) |
| Elongation at Yield | D-638 | % | 6 |
| Flexural Modulus | D-790 | psi (MPa) | 170,000 (1,170) |
| Izod Impact Notched @ 23°C | D-256 | ft.-lbs/in. (J/m) | 2.0 (107) |
| Thermal Properties⁽¹⁾ | | | |
| Melting Point | Total Method | °F (°C) | 320-329 (160-165) |
| Unannealed Heat Deflection | D-648 | °F (°C) | 225 (107) |
| Other Physical Properties | | | |
| Density | D-1505 | g/cm ³ | 0.905 |

Polypropylene

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

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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 TotalEnergies products must be guided by the users own methods for selection of proper formulation. TotalEnergies Petrochemicals & Refining USA Inc. disclaims any responsibility for misuse or misapplication of its products. TotalEnergies MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TotalEnergies' 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.