

Moplen EP598T

Block copolymer



Product Description

Moplen EP598T is a block copolymer suitable for TWIM and injection molding applications. It exhibits an outstanding balance of mechanical properties combined with a medium high fluidity. This product is extensively used in housewares and in thin-walled containers. Moplen EP598T resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

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|--------------------|--|
| Features | High flowability / Anti-static property / Optimized balance of stiffness and toughness / Low warpage |
| Market | Consumer products, Rigid packaging |
| Application | TWIM Containers / Housewares / Leisure and sports goods |

| ASTM Data | | | |
|--------------------------------|---------------|--------------------|-------------|
| Typical Properties | Nominal Value | Units | Test Method |
| Melt Flow Rate (230°C, 2.16kg) | 60 | g/10 min | ASTM D1238L |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Flexural Modulus | 14000 | kg/cm ² | ASTM D790 |
| Tensile Strength at Yield | 250 | kg/cm ² | ASTM D638 |
| Elongation at Yield | 3.5 | % | ASTM D638 |
| Izod Impact Strength (23°C) | 6 | kgfcm/cm | ASTM D256 |
| Rockwell Hardness | 100 | R-Scale | ASTM D785 |
| HDT (0.46 N/mm ²) | 125 | °C | ASTM D648 |

1) The above values are typical property values for reference only not be construed as specification limits.

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- vi. electronic cigarettes and similar devices; or
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