

# 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.

<b>Features</b>	High flowability / Anti-static property / Optimized balance of stiffness and toughness / Low warpage
<b>Market</b>	Consumer products, Rigid packaging
<b>Application</b>	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 <sup>3</sup>	ASTM D1505
Flexural Modulus	14000	kg/cm <sup>2</sup>	ASTM D790
Tensile Strength at Yield	250	kg/cm <sup>2</sup>	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 <sup>2</sup> )	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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- iv. packaging in direct contact with an active pharmaceutical ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
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- vi. electronic cigarettes and similar devices; or
- vii. pressure pipe or fittings that are considered a part or component of a nuclear reactor

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