

Provisional Technical Datasheet



Polypropylene Homo polymer **HM012T** General Purpose Injection Molding

Product Characteristics:

Mangpol HM012T is a Polypropylene Homo polymer, produced by latest solvent free gas phase polymerization using Novolen Technology. This polymer is primarily suitable for making General Purpose Injection Molding items.

HM012T features superior process stability coupled with high rigidity, low cycle time and excellent product aesthetics.

Recommended Applications:

- General Purpose Injection Molding Items.
- Caps and Closures.
- Furniture.
- Household articles
- Compounding.

Typical Properties

Sr. No.	Properties	Test Method	Units	Typical Values
1.	Melt Flow Index ($I_{2.16}$ @230°C)	ASTM D 1238	g / 10 min	12
2.	Tensile Strength at Yield	ASTM D 638 (Type 1)	MPa	35
3.	Tensile Elongation at Yield		%	8
4.	Vicat Softening Point (10N)	ASTM D 1525	°C	154
5.	Heat Deflection Temperature (0.455MPa)	ASTM D 648	°C	85

- All the mechanical properties are as per ASTM D638 Type 1 injection molded specimen prepared in accordance with ASTM D 4101.

Typical Processing Temperature

- Barrel Temperature : 180 – 280 °C
- Mold Temperature : 30 – 40 °C

Handling & Storage

Bags should be stored in dry & dust free environment at temperature below 50°C. Avoid direct exposure to sunlight & heat to avoid quality deterioration.

Disclaimer: The above typical properties are not to be construed as Specifications and may change without any prior notice. The user will solely be responsible for any intended process / product usage and MRPL does not guarantee or undertake any responsibility for any consequential damage or loss based on the information given above.

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