Technical Datasheet

MANGPOL POLYPROPYLENE

Polypropylene Homo polymer **HM065AT** **Injection Molding, TWIM**

Product Characteristics:

MANGPOL HM065AT is a Polypropylene Homo-polymer produced by latest solvent free gas phase polymerization using Novolen Technology. It is ideal material recommended for Thin Wall Injection Molded Items and Multi cavity molding applications with long flow paths and intricate part designs.

HM065AT features excellent flow characteristics coupled with superior dimensional stability, stiffness, and reduced cycle time during processing.

Recommended Applications:

- HM065AT is recommended for TWIM, Multi cavity Moldings, Compounding, Master-batches etc.

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	65
2.	Tensile Strength at Yield	ASTM D 638 (Type 1)	MPa	35
3.	Tensile Elongation at Yield		%	12
4.	Flexural Modulus	ASTM D 790	MPa	1400
5.	Izod Impact Strength	ASTM D 256	J /m	25
6.	Heat Deflection Temperature (0.455MPa)	ASTM D 648	°C	105

- 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 : 190 - 230°C
- Die Temperature : 220 - 250°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.

"Not to be used in the manufacture of Single Use Plastic (SUP) items – Prohibited under PWM Rules including plastic sheets <50-micron thickness, non-woven carry bags <60 GSM, Carry bags <75-micron thickness w.e.f 30.09.21 & 120-micron thickness w.e.f 31.12.22".

For statement of compliance for MANGPOL PP HM065AT, Please visit www.mrpl.co.in or contact MRPL representatives.

Need pricing, availability, or technical support? Explore our website - www.jitsy.in

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Last Update: Feb.'25