Technical Datasheet

MANGPOL POLYPROPYLENE

Polypropylene Homo polymer **HF010** **TQPP Films**

Product Characteristics:

MANGPOL HF010 is a Polypropylene Homo polymer produced by latest solvent free gas phase polymerization using Novolen Technology. This grade is primarily suitable for tubular water quench film applications. HF010 combines exceptional processability with superior slip, Anti blocking properties, excellent Clarity and Gloss.

Recommended Applications:

- Textile over-wraps, garment bags.
- General Purpose packaging.

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	10.5
2.	Tensile Strength at Yield	ASTM D 638 (Type 1)	MPa	34
3.	Tensile Elongation at Yield		%	9
4.	Flexural Modulus	ASTM D 790	MPa	1500
5.	Izod Impact Strength	ASTM D 256	J /m	30
6.	Vicat Softening Point (10N)	ASTM D 1525	°C	154
7.	Heat Deflection Temperature (0.455MPa)	ASTM D 648	°C	95

- 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 - 230°C.
- Die Temperature: 190 – 210 °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 HF010, 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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