

# Technical Datasheet



**Polypropylene Homo polymer**

**HY035R**

**Fiber & Filament / Lamination**

## Product Characteristics:

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Mangpol HY035R is a Controlled Rheology Polypropylene Homo polymer produced by latest Novolen Technology. This grade is primarily suitable for fiber spinning operation for making fine denier multifilament yarns, lamination and extrusion coating operations. It combines excellent resistance to gas fading.

## Recommended Applications:

HY035R is recommended for Non-woven spun bonded and fine denier multifilament yarns, lamination and extrusion coating applications.

## 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	35
2.	Tensile Strength at Yield	ASTM D 638	MPa	33
3.	Tensile Elongation at Yield	(Type 1)	%	8
4.	Flexural Modulus	ASTM D 790	MPa	1300
5.	Izod Impact Strength	ASTM D 256	J/m	28
6.	Vicat Softening Point (10N)	ASTM D 1525	°C	152

- 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 : 195 - 235°C
- Die Heater Temperature : 235 – 240 °C
- Quench Air Temperature : 15 - 18°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 HY035R, Please visit [www.mrpl.co.in](http://www.mrpl.co.in) or contact MRPL representatives.**

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*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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