

Technical Datasheet



Polypropylene Homo polymer

HY035R

Fiber & Filament / Lamination

Product Characteristics:

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.

This grade is not to be used for manufacturing of any direct / indirect food contact substance / applications.

Recommended Applications:

HY035R is recommended for 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 (Type 1)	MPa	33
3.	Tensile Elongation at Yield		%	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-2016

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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