Provisional Technical Datasheet

Product Characteristics:

MANGPOL HY035UR is a Controlled Rheology Polypropylene Homo polymer produced by latest Novolen Technology. This polymer is primarily suitable for fiber spinning operation for making fine denier multifilament yarns and non-woven fabrics. It combines excellent resistance to gas fading. MANGPOL HY035UR provides excellent stability in finished products from Ultra-violet degradation.

Recommended Applications:

HY035UR is recommended for Non-woven spun bonded and fine denier multifilament yarns.

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	1450
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 : 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.