

PP

PP PPH-Y40

POLYPROPYLENE HOMOPOLYMER (PP)

A fiber-grade polypropylene homopolymer manufactured to a controlled quality-control specification for non-woven fabric production, combining a defined melt flow window with low ash content, low yellowness index, and good spinnability suited for high-speed spunbond and meltblown lines.

Typical Application

- Non-woven fabrics
- Spunbond and meltblown fabric production
- Hygiene and medical non-wovens

Product Characteristics

- Manufactured and quality-tested to the producer's internal specification, with granular appearance, melt flow rate, isotactic index, ash content, and yellowness index certified on every lot
- Low ash content and low yellowness index for consistent, bright fiber output
- Good spinnability for high-speed spunbond lines

Film Properties

Properties	Test Method	Typical Value	Unit
Fish Eye Count (>0.8 mm)	GB/T 6595-1986	< 10	per 1520 cm ²
Fish Eye Count (>0.4 mm)	GB/T 6595-1986	< 40	per 1520 cm ²

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16kg)	SH/T 1541.1-2019	35 - 45 (typ. 39.4)	g/10 min
Isotactic Index	GB/T 2412-2008	≥ 95.0 (typ. 96.7)	%
Ash Content	GB/T 9345.1-2008	≤ 0.030 (typ. 0.0134)	% (w/w)
Yellowness Index	HG/T 3862-2006	≤ 4.0 (typ. -1.7)	-
Dust Content	GB/T 9341-2008	≤ 0.03	% (w/w)
Tensile Yield Stress	GB/T 1040.2-2006	≥ 29.0	MPa

1. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.

2. Melt flow, isotactic index, ash, and yellowness values are the producer's own quality-control specification together with a representative lot test result; dust content, tensile yield stress, and fish-eye counts are per a distributor-published data sheet for the same grade code.