

PP

PP Y40X

POLYPROPYLENE HOMOPOLYMER FIBER GRADE (PP)

This is a fiber-grade polypropylene homopolymer designed for high-speed spinning into advanced non-woven fabrics. Controlled-rheology processing narrows the molecular weight distribution, giving consistent filament formation with low ash content and good spinnability for downstream converting.

Typical Application

- Advanced non-woven fabrics
- Spunbond and staple fiber non-wovens

Product Characteristics

- Low ash content
- Good spinning properties
- Consistent fiber diameter for high-speed spinning lines

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16kg)	ASTM D1238	38	g/10 min
Tensile Stress at Yield	ASTM D638	35	MPa
Tensile Stress at Break	ASTM D638	≥ 8	MPa
Elongation at Break	ASTM D638	≥ 200	%
Ash Content	GB/T 9345	≤ 0.03	%
Isotactic Index	GB/T 2412	≥ 97	%

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. Typical values per the producer's published family data; grade-specific certificate of analysis supplied per lot at order.