

PP

PP F5006

POLYPROPYLENE RANDOM COPOLYMER (PPR)

This resin is a random copolymer polypropylene used for biaxially oriented polypropylene (BOPP) and cast/oriented (POF) film. These oriented-stretching polypropylene resins are engineered from a controlled polypropylene molecular structure that resolves tensile- and thermal-stability challenges, supporting BOPP line speeds above 400 m/min. This grade is formulated as the ternary heat-seal layer for BOPP and POF film structures, including cigarette film.

Typical Application

- Ternary heat-seal layer for POF and BOPP film
- Cigarette film
- High-stiffness, high-transparency packaging film

Product Characteristics

- Controlled molecular structure for tensile and thermal stability
- Suitable for high-speed BOPP film-line processing
- Good heat-seal performance at a defined seal-initiation temperature

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (230°C/2.16 kg)		6.0	g/10 min
Tensile Strength at Yield		20.8	MPa
Flexural Modulus		627	MPa
Heat-Seal Initiation Temperature		113	°C

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.