



H250FG

HOMOPOLYMER

For Multifilament Yarn, Staple Fiber

Repol H250FG is recommended for production of Continuous Filaments. The grade is specially formulated for Anti Gas fading properties. Repol H250FG is an ideal material for spun bond nonwoven, BCF, staple fibers etc.

Typical Characteristics

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230°C/2.16 kg)	ASTM D1238	gm/10 min	25
Density	ASTM D792	g/cc.	0.90
Tensile Strength at Yield (50 mm/min.)	ASTM D638	MPa	34
Elongation at Yield (50 mm/min.)	ASTM D638	%	11
Flexural Modulus (1% Secant)	ASTM D790A	MPa	1600
Notched Izod Impact Strength (23 °C.)	ASTM D256	J/m	25
Heat Deflection Temperature (455 KPa)	ASTM D648	°C	100
Hardness – Shore D	ASTM D2240	---	70

* Typical values, not to be taken as specification. All the mechanical properties as per ASTM D638 Type I specimen injection molded in accordance with ASTM D4101

Typical Processing Conditions

Extrusion Temperature: 210 – 250 °C

Quenching Temperature: 10 – 20 °C

Godet rolls Temperature: 80 – 120 °C

Draw Ratio: 2.8 – 3.2

Texturizing Temperature: 125 – 165 °C

Note: Processing parameters mentioned above are for reference only and not to be considered as specifications. They may vary based on the product to be manufactured.

Applications

Staple Fibers, BCF, Nonwovens, Multifilament

Reliance Industries Limited

Regulatory Information

The product complies with Indian Standard IS 10910 on “Specification for polypropylene and its copolymers for safe use in contact with foodstuffs, pharmaceuticals and drinking water. It also conforms to IS 16738:2018 on positive list of constituents for polypropylene, polyethylene and their copolymers for its safe use in contact with foodstuffs and pharmaceuticals. The grade and the additives incorporated in it also comply with the FDA:CFR Title 21,177.1520, Olefin polymers

Storage Recommendations

Bags should be stored in dry / closed conditions at temperatures below 50°C and protected from UV / direct sunlight