



Reliance Industries Limited

P O L Y P R O P Y L E N E

REPOL H350FH HOMOPOLYMER FOR FILAMENT YARNS AND NONWOVENS

Provisional Technical Data Sheet

REPOL H350FH is recommended for use in filament spinning operations and Spun-bond nonwovens. Repol H350FH has excellent uniformity needed for high speed spinning of fine denier yarns and for low weight non-woven fabrics. Repol H350FH contains an excellent process stabilizer package suitable for nonwoven and filament products. Formulated for gas fading resistance.

Typical Characteristics			
Property	Test Method	Unit	Typical Value *
Melt Flow Rate, (230°C / 2.16kg)	ASTM D1238	g/10min	38.0
Tensile Strength at Yield (50mm/min)	ASTM D638	MPa	34
Elongation at Yield (50mm/min)	ASTM D638	%	10
Flexural Modulus (1% secant)	ASTM D790A	MPa	1550
Notched Izod Impact strength (23°C)	ASTM D256	J/m	22
Heat Deflection Temperature (455 kPa)	ASTM D648	°C	104

* *Typical values, not to be taken as specification.*

* *Tensile properties as per ASTM D638 Type-I specimen injection molded and tested in accordance with ASTM D 4101*

Applications: POY, FDY & Crimped filament yarns, Spun-bond nonwoven fabrics for Filtration, Hygiene & Medical Disposables, Packaging and Agriculture

Regulatory Information: Meets the requirements stipulated in IS 10910 on “Specification for Polypropylene and its copolymers for safe use in contact with foodstuffs, pharmaceuticals, and drinking water”. Additives incorporated in this grade conform to the positive list of constituents as prescribed in IS 10909. The grade and the additives incorporated in it also comply with the FDA: CFR Title 21,177.1520, Olefin polymers.

Storage, Transport & Handling: Bags should be stored in a cool, well ventilated place at ambient temperature or below 50⁰C and protected from UV / direct sunlight.

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