



Reliance Industries Limited

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

REPOL H350FG

HOMOPOLYMER

Product description & applications :

REPOL Polypropylene H350FG is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system.

Repol H350FG is recommended for use in compact spinning operations, for making fine denier multifilament yarn and nonwovens

Typical properties of Repol H350FG are as follows :

Features :

Repol H350FG is designed to provide :

- Good flow behaviour
- Good spinning characteristics
- Consistent processability at high line speeds
- Good colour stability

Property	ASTM Test Method	Unit	Typical Value*
Melt flow index, (230°C / 2.16kg)	D 1238	g/10 min	38.0
Tensile strength at yield (50mm/min)	D 638 ^s	MPa	34
Elongation at yield (50mm/min)	D 638 ^s	%	10
Flexural modulus (1% secant)	D 790A ^s	MPa	1550
Notched izod impact strength (23°C)	D 256 ^s	J/m	22
Heat deflection temperature (455 kPa)	D 648	°C	104

§ : ASTM D638 Type I specimen injection moulded and tested in accordance with ASTM D4101

07-06

REPOL H350FG 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.

REPOL is the registered trademark for Polypropylene from Reliance Industries Limited

* Typical values with injection moulded specimens, not to be taken as specification

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