



Reliance Industries Limited

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

REPOL H100EY

HOMOPOLYMER

Product description & applications :

REPOL Polypropylene H100EY 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 H100EY is recommended for use in **TQ (Tubular water Quench)** and **Cast Film**. It contains slip and antiblock additives. Repol H100EY is an ideal material for textile overwraps, packaging of readymade garments, snack food, grocery and general purpose packaging

Typical properties of Repol H100EY are as follows :

Features :

Repol H100EY is designed to provide :

- Consistent processability
- Good gloss and clarity
- High melt strength

Property	ASTM Test Method	Unit	Typical Value*
Melt flow index, (230°C / 2.16kg)	D 1238	g/10 min	11.0
Tensile strength at yield (50mm/min)	D 638 [§]	MPa	35
Elongation at yield (50mm/min)	D 638 [§]	%	10
Flexural modulus (1% secant)	D 790A [§]	MPa	1600
Notched Izod Impact strength (23°C)	D 256 [§]	J/m	26
Heat deflection temp. (455 kPa)	D 648	°C	104

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

04-05

Repol H100EY 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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