



## Reliance Industries Limited

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

**REPOL H026SG**

**HOMOPOLYMER**

(Provisional Technical Data sheet)

#### Product description & applications :

REPOL Polypropylene H026SG 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 H026SG is recommended for Raffia Tapes used in making fabrics for big bags / FIBCs, geotextiles, carpet backing and ropes.

Repol H026SG combines good processability on water bath and chill-roll with excellent mechanical properties. Formulated for low water carry-over.

Typical properties of Repol H026SG are as follows :

#### Features :

Repol H026SG is designed to provide :

- Good processability at high line speeds
- Low water carry-over
- High tenacity tapes

Property	ASTM Test Method	Unit	Typical Value*
Melt flow index, (230°C / 2.16kg)	D 1238	g/10 min	2.6
Tensile strength at yield (50mm/min)	D 638 <sup>\$</sup>	MPa	34
Elongation at yield (50mm/min)	D 638 <sup>\$</sup>	%	10
Flexural modulus (1% secant )	D 790A <sup>\$</sup>	MPa	1700
Notched izod impact strength (23°C)	D 256 <sup>\$</sup>	J/m	40
Heat deflection temperature (455 kPa)	D 648	°C	104
Melting temperature (DSC second heating)	D 3418	°C	166

<sup>\$</sup> : ASTM D638 Type I specimen injection moulded and tested in accordance with ASTM D4101

07-08

Repol H026SG 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

The data, information and suggestions contained herein are given purely as a guide. Reliance Industries Limited and Reliance Group Companies undertake no responsibility either for the results deriving from their adoption or for possible positions in apparent contrast with existing patent rights