



## POLYPROPYLENE HOMOPOLYMER REPOL H030SG

**Producer:** Reliance Industries Limited / India

**Description:** **Repol Polypropylene H030SG** 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.

**Applications:** **Repol H030SG** is recommended for Raffia Tapes used in making woven fabrics for sacking, carpet backing, industrial packaging and geotextile applications.

**Features :** Repol **H030SG** is designed to provide:

- High tenacity in tapes
- Consistent processability
- Low "water carryover"
- Good colour and processing stability

PROPERTY	ASTM TEST METHOD	UNIT	TYPICAL VALUE*
Melt flow index, (230°C/2.16kg)	D 1238	g/10min	3.0
Tensile strength at yield (850mm/min)	D 638 <sup>§</sup>	MPa	35
Elongation at Yield (50mm/min)	D 638 <sup>§</sup>	%	10
Flexural Modulus (1% secant)	D 790A <sup>§</sup>	MPa	1650
Notched Izod Impact Strength at (23°C)	D 256 <sup>§</sup>	J/m	40
Heat deflection temperature (455 kPa)	D 648 <sup>§</sup>	°C	104

§: ASTM D638 Type I specimen injection moulded and tested in accordance with ASTM D4101 04-05

**Repol H030SG** 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.