

Producer: Reliance Industries Limited / India

REPOL H030SG

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

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 [§] | MPa | 35 |
| Elongation at Yield (50mm/min) | D 638 [§] | % | 10 |
| Flexural Modulus (1% secant) | D 790A [§] | MPa | 1650 |
| Notched Izod Impact Strength at (23°C) | D 256 [§] | J/m | 40 |
| Heat deflection temperature (455 kPa) | D 648 [§] | °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.