



SR20NS

RANDOM COPOLYMER FOR BLOW MOULDING & EXTRUSION

Repol SR20NS is recommended for **Blow Moulding and Extrusion** process. The grade combines high clarity and gloss.

Repol SR20NS complies with the systemic and intracutaneous tests with four different extractants as per USP XXIX and I.P 96. The grade also complies with undue toxicity test as per E.P and skin irritation test as per I.S.

| Typical Characteristics | | | |
|---------------------------------------|-------------|-----------|----------------|
| Property | Test Method | Unit | Typical Value* |
| Melt Flow Rate (230°C/2.16 kg) | ASTMD1238 | gm/10 min | 1.9 |
| Tensile Strength at Yield (50mm/min) | ASTMD638 | MPa | 26 |
| Elongation at Yield (50mm/min) | ASTMD638 | % | 12 |
| Flexural Modulus (1% secant) | ASTMD790A | MPa | 800 |
| Notched Izod Impact Strength (23°C) | ASTMD256 | J/m | 65 |
| Heat Deflection Temperature (455 kPa) | ASTMD648 | °C | 90 |

* Typical values, not to be taken as specification. All the mechanical properties as per ASTM D638 Type I specimen injection moulded in accordance with ASTM D4101

Applications

Blow moulding, extrusion

Regulatory Information

Meets the requirements stipulated in IS 10910 on 'Specification for Polypropylene and its Copolymers for safe use in contact with foodstuff, 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

Storage Recommendations

Bags should be stored in dry / closed conditions at temperatures below 50°C and protected from UV / direct sunlight