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# SRM250NC

## RANDOM COPOLYMER
### FOR INJECTION MOULDING & STRETCH BLOW MOULDING

Repol SRM250NC is recommended for **Injection Moulding** and stretch blow moulding process. It is an ideal material to use in making high clarity containers, houseware, syringes and ISBM products. The grade contains clarifier and antistatic agent that reduces static charge build-up on products.

Repol SRM250NC 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) | ASTM D1238 | gm/10 min | 25 |
| Tensile Strength at Yield (50mm/min) | ASTM D638 | MPa | 29 |
| Elongation at Yield (50mm/min) | ASTM D638 | % | 9 |
| Flexural Modulus (1% secant) | ASTM D790A | MPa | 1000 |
| Notched Izod Impact Strength (23°C) | ASTM D256 | J/m | 50 |
| Heat Deflection Temperature (455 kPa) | ASTM D648 | °C | 100 |
| Melting Temperature (DSC second heating) | ASTM D3418 | °C | 150 |

* 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

TWIM, rigid containers, houseware, ISBM bottles, syringes

### 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

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