



RI 20MK

RANDOM COPOLYMER FOR INJECTION MOULDED PRODUCTS

Repol RI 20MK is recommended for use in **Injection Moulding & Stretch Blow Moulding** processes. It is an ideal material for attaining high clarity in housewares, syringes and ISBM products. Repol RI 20MK contains clarifier and antistatic agent that reduces static charge build-up on products

| Typical Characteristics | | | |
|--|-------------|----------|----------------|
| Property | Test Method | Unit | Typical Value* |
| Melt Flow Rate (230°C/2.16 kg) | ASTM D1238 | g/10 min | 12 |
| Tensile Strength at Yield (50 mm/min) | ASTM D638 | MPa | 28 |
| Elongation at Yield (50 mm/min) | ASTM D638 | % | 12 |
| Flexural Modulus (1% secant) | ASTM D790A | MPa | 1200 |
| Notched Izod Impact Strength (23°C) | ASTM D256 | J/m | 60 |
| Heat Deflection Temperature (455 kPa) | ASTM D648 | °C | 95 |
| 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

Clarified random copolymer, 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