



BI20MA

IMPACT COPOLYMER FOR INJECTION MOULDED PRODUCTS

Repol BI20MA is recommended for use in **Injection Moulding** processes where medium impact strength is required. It is an ideal material to use in housewares, thermowares, sanitarywares, furniture, industrial and automotive components. Repol BI20MA contains antistatic agent that reduces static charge build-up in 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 | 24 |
| Elongation at Yield (50 mm/min) | ASTM D638 | % | 10 |
| Flexural Modulus (1% secant) | ASTM D790A | MPa | 1000 |
| Notched Izod Impact Strength (23°C) | ASTM D256 | J/m | 85 |
| Heat Deflection Temperature (455 kPa) | ASTM D648 | °C | 95 |

* 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

Houseware, general purpose moulding

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