



AMI400N

IMPACT COPOLYMER

FOR INJECTION MOULDED PRODUCTS

Repol AMI400N is recommended for use in **Injection Moulding and Compounding**, and is suitable for intricate and very thin-section mouldings. It is an ideal material to use in compounds for appliance parts and automotive components.

Typical Characteristics			
Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230°C/2.16 kg)	ASTMD1238	gm/10 min	40
Tensile Strength at Yield(50mm/min)	ASTMD638	MPa	25.5
Elongation at Yield(50mm/min)	ASTMD638	%	8
Flexural Modulus(1% secant)	ASTMD790A	MPa	950
Notched Izod Impact Strength(23°C)	ASTMD256	J/m	70
Heat Deflection Temperature (455 kPa)	ASTMD648	°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

Thin wall moulding, compounding

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