



# **C320MN**

## **IMPACT COPOLYMER**

## FOR INJECTION MOULDED PRODUCTS

Repol C320MN is recommended for use in **Injection Moulding** processes where high flow and medium impact strength are required. It is an ideal material to use in appliance parts, automotive compounds, grilled and thin wall products. Repol C320MN contains nucleating agent.

Typical Characteristics			
Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230°C/2.16 kg)	ASTM D1238	g/10 min	32
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	20
Elongation at Yield (50 mm/min)	ASTM D638	%	5
Flexural Modulus (1% secant)	ASTM D790A	MPa	1150
Notched Izod Impact Strength (23°C)	ASTM D256	J/m	150
Heat Deflection Temperature (455 kPa)	ASTM D648	°C	92

<sup>\*</sup> 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**

Appliances, automotive and 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

Reliance Industries Limited, Product - Application & Technology Group, PRTC,
Swastik Mill Compound, V. N. Purav Marg, Chembur, Mumbai-400 071. Tel.: +91-22-6767 7000. E-mail: polymer\_patsupport@ril.com Website: www.ril.com

<sup>•</sup> The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or international. • The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorised agents, as the information and/or data is subject to change based on the research and development work undertaken by the company.