Reliance Industries Limited

P O L Y P R O P Y L E N E

Provisional Datasheet

REPOL B300MN **Impact Copolymer**

Product description & applications :

REPOL Polypropylene B300MN is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system.

Repol B300MN is high crystalline Impact Copolymer grade recommended for use in **Injection Moulding processes**. The grade contains nucleating agent. It is an ideal material for making automobile parts where high flow with very high stiffness is required. The grade is also suitable as a compounding base for automotive and appliance sectors.

Features :

Repol B300MN is designed to provide :

- High Stiffness , medium Impact
- Fast Moulding cycles
- Excellent flow characteristics
- Good processing stability
- High crystallinity

Resin Properties	**ASTM**		
	Method	Typical Values*	
		Unit	Value
Melt Flow Rate (230°C/2.16 kg)	D1238	g /10min.	30
Tensile Strength @ Yield (50mm/min)	D638	MPa	30
Elongation @ Yield (50mm/min)	D638	%	5
Flexural Modulus (ASTM :1% secant, 1.3mm/min)	D790A	MPa	1650
Izod Impact Strength Notched, @23°C	D256	J/m	60
Charpy Impact @ 23^0C	D256	J/m	70
Heat Deflection Temperature (@ 455KPa)	D648	^{0}C	115

Repol B300MN meets the requirements stipulated in IS 10910 on “Specification for Polypropylene and its copolymers for safe use in contact with foodstuffs, 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.

REPOL is the registered trademark for Polypropylene from Reliance Industries Limited

** Typical values with injection moulded specimens, not to be taken as specification*