



## Reliance Industries Limited

### *P O L Y P R O P Y L E N E*

**REPOL AM350N HIGH MELT FLOW HOMOPOLYMER GRADE**

#### *Provisional Technical Data Sheet*

Repol AM350N high melt flow, narrow molecular weight polypropylene homopolymer resin is recommended for use in Thin Wall Injection Molding (TWIM) containers for packaging applications and, large size furniture applications. Repol AM350N is an ideal material for melt flow modifier for compounding and masterbatch manufacturing process.

<b>Typical Characteristics</b>			
<b>Property</b>	<b>Test Method</b>	<b>Unit</b>	<b>Typical Value *</b>
Melt Flow Rate, (230°C / 2.16kg)	ASTM D1238	g/10min	35
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	34
Elongation at Yield (50 mm/min)	ASTM D638	%	10
Flexural Modulus (1% secant)	ASTM D790A	MPa	1400
Notched Izod Impact Strength (23°C)	ASTM D256	J/m	22
Heat Deflection Temperature (455 KPa)	ASTM D1505	°C	102

\* Typical values, not to be taken as specification.

\* All the mechanical properties as per ASTM D638 Type I specimen injection moulded and tested with accordance with ASTM D 4101

### **Applications**

- TWIM Containers, Large size molded articles, Compounding & Masterbatch manufacturing

### **Regulatory Information**

- 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.

### **Storage Recommendations**

- Bags should be stored in dry conditions at temperatures below 50°C and protected from UV / direct sunlight