



## Reliance Industries Limited

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

**REPOL SRX100      ULTRA HIGH CLARITY RANDOM COPOLYMER FOR RIGID PACKAGING**

#### *Provisional Technical Data Sheet*

Repol SRX100 is recommended for Injection Moulding and Stretch Blow Moulding process. It is an ideal material for Ultra high clarity containers, houseware, ISBM products and appliance parts. The grade contain clarifier and antistatic agent.

<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	12.0
Tensile Strength at Yield (50mm/min)	ASTM D638	MPa	30
Elongation at Yield (50mm/min)	ASTM D638	%	12
Flexural Modulus (1% secant )	ASTM D790A	MPa	1100
Notched Izod Impact strength (23°C)	ASTM D256	J/m	65
Heat Deflection Temperature (455 kPa)	ASTM D648	°C	95

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

\* *All Tensile properties as per ASTM D638 Type-I specimen injection molded and tested in accordance with ASTM D 4101*

#### **Application :**

- Ultra clarity random copolymer, IM & ISBM rigid containers, houseware, appliance parts

#### **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