



Reliance Industries Limited

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| P O L Y P R O P Y L E N E | |
| REPOL SR70N | RANDOM COPOLYMER FOR HEAT SEAL CAST & BOPP FILMS |
| <i>Provisional Technical Data Sheet</i> | |

Repol SR70N is recommended for use in Cast & BOPP Film applications, specially designed for use as a Heat Seal layer in coextruded film applications. Repol SR70N is an ideal material for food and general purpose packaging. Grade does not contain slip and antiblock additives.

| Typical Characteristics | | | |
|---------------------------------------|--------------------|-------------|------------------------|
| Property | Test Method | Unit | Typical Value * |
| Melt Flow Rate, (230°C / 2.16kg) | ASTM D1238 | g/10min | 6.0 |
| Tensile Strength at Yield (50mm/min) | ASTM D638 | MPa | 25 |
| Elongation at Yield (50mm/min) | ASTM D638 | % | 13 |
| Flexural Modulus (1% secant) | ASTM D790A | MPa | 800 |
| Notched Izod Impact strength (23°C) | ASTM D256 | J/m | 60 |
| Heat Deflection Temperature (455 kPa) | ASTM D648 | °C | 73 |

| Film Properties (30 µm) | | | |
|--------------------------------|--------------------|-------------|------------------------|
| Property | Test Method | Unit | Typical Value * |
| Haze | ASTM D1003 | % | 0.4 |
| Seal Initiation Temperature | RIL Method | °C | 112-116 |
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* *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*

**Application :**

- Coextruded food packaging film, Confectionary films & other general purpose packaging.

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