Technical Data Sheet

# *Purell* RP370M

Polypropylene, Random Copolymer

## Product Description

*Purell* RP370M is a medium modified polypropylene random copolymer. It does not contain slip or anti-blocking additives.

*Purell* RP370M is typically used by customers for manufacturing of un-oriented cast films and blown film extrusion.

It has been reported by customers that *Purell* RP370M exhibits good processability, and that films produced with *Purell* RP370M exhibits high clarity and gloss, softness and good heat weldability.

All potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical and Business contacts first. To discuss a medical/pharmaceutical application please contact your local Lyondellbasell reference or your local Distributor.

## Regulatory Status

For regulatory compliance information, see *Purell* RP370M Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

| | |
|---|---|
| **Status** | Commercial: Active |
| **Availability** | Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America |
| **Application** | Caps & Closures (Healthcare); Healthcare Applications; Medical Film |
| **Market** | Healthcare |
| **Processing Method** | Cast Film; Injection Molding |
| **Attribute** | Autoclavable; Ethylene Oxide Sterilisation; Good Optical Properties; Medium Transparency |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 8.0 | g/10 min | ISO 1133-1 |
| Density | 0.90 | g/cm³ | ISO 1183-1 |
| **Mechanical** | | | |
| Tensile Modulus | 850 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield | 25 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break | >50 | % | ISO 527-1, -2 |
| Tensile Strain at Yield | 14 | % | ISO 527-1, -2 |
| **Impact** | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 7 | kJ/m² | ISO 179-1/1eA |
| (0 °C) | 3 | kJ/m² | ISO 179-1/1eA |
| **Thermal** | | | |
| Vicat Softening Temperature, (A50) | 135 | °C | ISO 306 |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 68 | °C | ISO 75B-1, -2 |