# *Moplen* RP2965

**Polypropylene, Random Copolymer**

## Product Description

*Moplen* RP2965 is a polypropylene random copolymer.
*Moplen* RP2965 is suitable for injection moulding applications and can also be used in technical compounds.
It has a medium melt flow rate and it is supplied in pelletized form.
For regulatory information please refer to *Moplen* RP2965 Product Stewardship Bulletin (PSB).
*Moplen* RP2965 is not intended for medical and pharmaceutical applications.

## Product Characteristics

| | |
|---|---|
| **Status** | Commercial: Active |
| **Test Method used** | ISO |
| **Processing Methods** | Injection Molding |
| **Features** | Good Chemical Resistance, Good Creep Resistance , Low Flow , Good Heat Resistance, Good Stiffness , Good Toughness |

| Typical Properties | Method | Value | Unit |
|---|---|---|---|
| **Physical** | | | |
| Density | ISO 1183 | 0.9 | g/cm³ |
| Melt flow rate (MFR) (230°C/5.0kg) | ISO 1133 | 20 | g/10 min |
| **Mechanical** | | | |
| Tensile Stress at Break | ISO 527-1, -2 | 22.6 | N/mm² |
| Tensile Stress at Yield (50 mm/min) | ISO 527-1, -2 | 35.4 | N/mm² |
| Tensile Strain at Break | ISO 527-1, -2 | 630 | % |
| Tensile Strain at Yield (50 mm/min) | ISO 527-1, -2 | 8.4 | % |
| Flexural modulus | ISO 178 | 1430 | N/mm² |
| **Impact** | | | |
| Charpy notched impact strength (23°C) | ISO 179 | 2.9 | kJ/m² |
| **Thermal** | | | |
| Melting temperature | DSC | 153 | °C |

## Notes

Typical properties; not to be construed as specifications.