

## Description

Polypropylene PPR 10222 is a nucleated and antistatic random copolymer polypropylene with a Melt Flow Index of 40 g/10 min for the injection moulding of articles with high transparency and excellent surface appearance.

Polypropylene PPR 10222 is intended for household goods, thin wall packaging.

## Characteristics

|                                          | Method     | Unit              | Typical Value |
|------------------------------------------|------------|-------------------|---------------|
| <b>Rheological properties</b>            |            |                   |               |
| Melt Flow Index 230°C/2.16 kg            | ISO 1133   | g/10 min          | 40            |
| <b>Mechanical properties</b>             |            |                   |               |
| Tensile Strength at Yield                | ISO 527-2  | MPa               | 28            |
| Elongation at Yield                      | ISO 527-2  | %                 | 10            |
| Tensile modulus                          | ISO 527-2  | MPa               | 1250          |
| Flexural modulus                         | ISO 178    | MPa               | 1150          |
| Izod Impact Strength (notched) at 23°C   | ISO 180    | kJ/m <sup>2</sup> | 6             |
| Charpy Impact Strength (notched) at 23°C | ISO 179    | kJ/m <sup>2</sup> | 8             |
| Hardness Rockwell - R-scale              | ISO 2039-2 |                   | 84            |
| <b>Thermal properties</b>                |            |                   |               |
| Melting Point                            | ISO 3146   | °C                | 147           |
| Vicat Softening Point                    | ISO 306    | °C                |               |
| 50N-50°C per hour                        |            |                   | 67            |
| 10N-50°C per hour                        |            |                   | 130           |
| <b>Other physical properties</b>         |            |                   |               |
| Density                                  | ISO 1183   | g/cm <sup>3</sup> | 0.902         |
| Bulk Density                             | ISO 1183   | g/cm <sup>3</sup> | 0.525         |