

## Technical Datasheet

- **Grade Name:** MR230C COPOLYMER
- **Categories:** Polymer, Thermoplastic, Polypropylene, Polypropylene Copolymer
- **Processing Methods:** extrusion and injection molding
- **Applications:** suitable for industrial water conveyance, hot and cold water supply systems
- **Features:** excellent creep properties and processability

| Physical Properties                      |         |                   |              |
|--|---------|-------------------|--------------|
| Properties                               | Value   | Unit              | Test Method  |
| MFI( 230 °C/2.16 Kg)                     | <0.3    | Dg/min            | ASTM D1238 L |
| MFI( 230 °C/2.16 Kg)                     | 0.8-1.3 | Dg/min            | ASTM D1238 L |
| Density                                  | 0.9     | g/cm <sup>3</sup> | ASTM D1505   |
| Mechanical Properties                    |         |                   |              |
| Properties                               | Value   | Unit              | Test Method  |
| Flexural Modulus                         | 950     | MPa               | ASTM D790    |
| Izod Impact Strength (notched) at 23 °C  | NB      | J/m               | ASTM D256    |
| Tensile Elongation at Yield              | > 430   | %                 | ASTM D638    |
| Tensile Strength at Yield                | 28      | MPa               | ASTM D638    |
| Izod Impact Strength (notched) at -23 °C | 50      | J/m               | ASTM D256    |
| Rockwell Hardness                        | 0.11    | mm/(m.°C)         | ASTM D696    |
| Thermal Properties                       |         |                   |              |
| Properties                               | Value   | Unit              | Test Method  |
| H. D. T (0.46 MPa)                       | 82      | °C                | ASTM D648    |
| Accelerated oven ageing in air at 135 °C | >9000   | h                 | ASTM D3012   |
| Vicat Softening Point (9.8 N)            | 135     | °C                | ASTM D1525   |

Typical Properties: These values are not to be considered as product specifications.

