



## Technical Data Sheet

# PP H250 GP/2

### Polypropylene

#### PRODUCT DESCRIPTION

**PP H250 GP/2** is a polypropylene homopolymer with standard molecular weight distribution. The product is characterized by high melt flow range, an optimal stabilization package and balanced physical and mechanical properties.

#### TYPICAL APPLICATIONS

**PP H250 GP/2** is a general purpose product, it is recommended for Injection moulding applications and compounding. It complies with EU Food Contact Regulations.

| Physical Properties                                        | Typical values* | Method                                      |
|------------------------------------------------------------|-----------------|---------------------------------------------|
| <b>Rheology</b>                                            |                 |                                             |
| Melt Flow Rate, g/10 min<br>(230 °C/2.16 kg)               | 25.0            | GOST 11645<br>(method similar to ISO 1133)  |
| <b>Mechanical</b>                                          |                 |                                             |
| Tensile Stress at Yield, MPa<br>(50 mm/min)                | 34.0            | GOST 11262<br>(method similar to ISO 527-2) |
| Elongation at Yield, %<br>(50 mm/min)                      | 10              | GOST 11262<br>(method similar to ISO 527-2) |
| Flexural modulus, MPa<br>(5 mm/min)                        | 1400            | GOST 9550<br>(method similar to ISO 178)    |
| Notched Izod impact strength,<br>kJ/m <sup>2</sup> (23 °C) | 2.0             | GOST 19109<br>(method similar to ISO 180)   |

### Thermal

|                                               |     |                                           |
|-----------------------------------------------|-----|-------------------------------------------|
| Vicat Softening Temperature, °C<br>(10 N)     | 155 | GOST 15088<br>(method similar to ISO 306) |
| Heat deflection temperature, °C<br>(0.45 MPa) | 80  | GOST 12021<br>(method similar to ISO 75)  |

\*Typical values; not for specification

### REACH Statement

Polymers are exempted from registration under REACH. However, the corresponding monomers (used as raw materials for polymer production) and relevant additives have been registered.

**PJSC «Sibur Holding» (and its subsidiaries)** is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

### Safety

See MSDS

### Contact

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