

POLYPROPYLENE PP 1500H (S30G)

Product obtained by polymerization of propylene in presence of complex metalorganic catalysts. It incorporates increased long-term thermal stability, thermal-oxidative degradation resistance during PP production, processing and use of PP-made articles.
Application: injection molded and extruded industrial-used articles.

Chemical name:

Propylene homopolymer

Empirical formula:

$[-CH_2CH(CH_3)-]_n$

Technical requirements:

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| PROPERTY | VALUE | TEST METHOD |
|--|-----------|--------------|
| 1. Melt flow rate (at 2.16 kg/230°C), g/10 min, in the range | 1.4 – 2.4 | ASTM D1238/L |
| 2. Flexural modulus, MPa, min | 1500 | ASTM D 790 |
| 3. Izod impact strength (at 23 oC), J/m, min | 50 | ASTM D 256 |
| 4. Tensile strength at yield, MPa, min | 34 | ASTM D 638 |
| 5. Elongation at yield %, min. | 10 | ASTM D 638 |

Additional reference ratings

| PROPERTY | VALUE |
|--|-------------|
| 1. Density, kg/m ³ | 900 |
| 2. Packed density of pellets, kg/m ³ | 480-600 |
| 3. Mass fraction of ash, % | 0.025-0,050 |
| 4. Thermal-oxidative aging resistance at 150 oC, h | 360 |
| 5. Vicat softening point in liquid medium under force 10 N, °C | 150-154 |
| 6. Heat distortion temperature at load 0.46 N/mm ² , °C | 90-96 |
| 7. Rockwell hardness, R | 82-95 |

Supply form:

Pellets

Packaging: Product is packed into polyethylene or polypropylene bags (one bag net weight $25.00 \pm \pm 0.25$ kg) and bundled on flat pallets with shrink film. Gross weight of a bundle is max 2 t.
PP may be packed into soft containers (big bags) sized for 400-1000 kg.
Upon agreement with Customer PP pellets are bulk loaded into railway cars, tipper trucks or loaded in bags to railway cars.

Transportation: By all transport means.

Storage: Storage: Polypropylene shall be stored in enclosed dry space preventing from direct sun rays, on shelves or pallets at least 5 cm from the floor, and at least 1 m from heaters, at temperature max 30°C and relative humidity max 80%.
Prior to processing, bags with polymer shall be kept for at least 12 hrs in production area.

Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not release customer from the responsibility to check the product for suitability for the intended use. Manufacturer bears no liability for any loss and damage which may occur due to use of this information.