



Technical Data Sheet
PP H030 GP/1
Polypropylene

PRODUCT DESCRIPTION

PP H030 GP/1 is a polypropylene homopolymer with standard molecular weight distribution. The product is characterized by medium melt flow range, an optimal stabilization package and balanced physical and mechanical properties.

TYPICAL APPLICATIONS

PP H030 GP/1 is a general purpose grade, it is recommended for Injection Moulding, Extrusion and Thermoforming applications. It complies with EU Food Contact Regulations.

| Physical Properties | Typical values* | Method |
|--|------------------------|---|
| Rheology | | |
| Melt Flow Rate, g/10 min (230 °C/2.16 kg) | 3.0 | GOST 11645 (method similar to ISO 1133) |
| Mechanical | | |
| Tensile Stress at Yield, MPa (50 mm/min) | 30.0 | GOST 11262 (method similar to ISO 527-2) |
| Elongation at Yield, % (50 mm/min) | 10 | GOST 11262 (method similar to ISO 527-2) |
| Flex modulus, MPa (5 mm/min) | 1500 | GOST 9550 (method similar to ISO 178) |
| Notched Izod impact strength, kJ/m ² (23 °C) | 2.0 | GOST 19109 (method similar to ISO 180) |

Thermal

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

*Typical values; not for specification

REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered.

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

Safety

See MSDS

Contact

Sibur Holding OJSC

Basic Polymers Division
3-16, Krzhizhanovskogo St.
117997, Moscow, Russian Federation
Tel.: ++7 495 7775500
E-mail: servicedbp@sibur.ru

European Sales Office

Sibur International GmbH
Prinz Eugen Straße 8-10
1040, Vienna, Austria
Tel.: ++43 1 370 8000
E-mail: polyolefins@sibur-int.com

Turkey Sales Office

SIBUR International Trading Istanbul
EGS Business Park, B1 Blok, Kat.9, No.318
Yeşilköy, Bakırköy
Istanbul, Turkey
Tel: +90 212 465 2321
E-mail: polyolefins@sibur-int.com

Chinese Sales Office

SIBUR International Trading (Shanghai)Co., Ltd
Rm.62T70, SWFC, Century Ave.100 Pudong
New Area, 200120, Shanghai, China
Tel: ++86 021 2206 5066 ext 215
E-mail: serviceCN@sibur-int.com

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