



# Technical Data Sheet

## PP H452 IM/2

### Polypropylene

#### PRODUCT DESCRIPTION

**PP H452 IM/2** is a polypropylene homopolymer with standard molecular weight distribution. The product is characterized by high melt flow range, a special stabilization package with nucleating agent for high-speed Injection Moulding applications. It provides improved physical and mechanical properties.

#### TYPICAL APPLICATIONS

**PP H452 IM/2** is specially recommended for high-speed Injection Moulding process and for high-rigidity applications. It complies with EU Food Contact Regulations.

Physical Properties	Typical values*	Method
<b>Rheology</b>		
Melt Flow Rate, g/10 min (230 °C/2.16 kg)	45.0	GOST 11645 (method similar to ISO 1133)
<b>Mechanical</b>		
Tensile Stress at Yield, MPa (50 mm/min)	34.0	GOST 11262 (method similar to ISO 527-2)
Elongation at Yield, % (50 mm/min)	9	GOST 11262 (method similar to ISO 527-2)
Flexural modulus, MPa (5 mm/min)	1500	GOST 9550 (method similar to ISO 178)
Notched Izod impact strength, kJ/m <sup>2</sup> (23 °C)	2.0	GOST 19109 (method similar to ISO 180)

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## Thermal

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Vicat Softening Temperature, °C (10 N)	156	GOST 15088 (method similar to ISO 306)
Heat deflection temperature, °C (0.45 MPa)	100	GOST 12021 (method similar to ISO 75)

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\*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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