

## 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	Method	Typical values*
<b>Rheology</b>		
Melt Flow Rate (230 °C/2.16 kg)	GOST 11645 (similar to ISO 1133)	45 g/10 min
<b>Mechanical</b>		
Tensile Stress at Yield (50 mm/min)	GOST 11262 (similar to ISO 527-2)	34 MPa
Elongation at Yield (50 mm/min)	GOST 11262 (similar to ISO 527-2)	10 %
Flexural modulus (5 mm/min)	GOST 9550 (similar to ISO 178)	1500 MPa
Notched Izod impact strength (23 °C)	GOST 19109 (similar to ISO 180)	2.0 kJ/m <sup>2</sup>
<b>Thermal</b>		
Vicat Softening Temperature (10 N)	GOST 15088 (similar to ISO 306)	155 °C
Heat deflection temperature (1.8 MPa)	GOST 12021 (similar to ISO 75)	60 °C

\*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.

**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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