

# SIBUR

## Technical Data Sheet

### PP H450 GP/2

#### Polypropylene

#### PRODUCT DESCRIPTION

PP H450 GP/2 is a polypropylene homopolymer with standard molecular weight distribution. The product is characterized by high melt flow rate, an optimal stabilization package and balanced physical and mechanical properties.

#### TYPICAL APPLICATIONS

PP H450 GP/2 is a general purpose grade, it is recommended for Injection Moulding applications and Compounding. It complies with EU Food Contact Regulations.

Physical Properties	Method	Typical values*
<b>Rheology</b>		
Melt Flow Rate (230 °C/2.16 kg)	ASTM D1238	45 g/10 min
<b>Mechanical</b>		
Tensile Stress at Yield (50 mm/min)	ASTM D638	35 MPa
Elongation at Yield (50 mm/min)	ASTM D638	9 %
Tensile strength at break	ASTM D638	25 MPa
Flexural modulus (5 mm/min)	ASTM D790	1400 MPa
Notched Izod impact strength (23 °C)	ASTM D256	23 J/m
<b>Thermal</b>		
Vicat Softening Temperature (10 N)	ASTM D1525	159 °C
Heat deflection temperature (0.45 MPa)	ASTM D648	107 °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