

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*
Rheology		
Melt Flow Rate (230 °C/2.16 kg)	ASTM D1238	45 g/10 min
Mechanical		
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
Thermal		
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

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