

SIBUR

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 rate, 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*
Rheology		
Melt Flow Rate (230 °C/2.16 kg)	ISO 1133	45 g/10 min
Mechanical		
Tensile Stress at Yield (50 mm/min)	ISO 527	39 MPa
Elongation at Yield (50 mm/min)	ISO 527	6 %
Flexural modulus (50 mm/min)	ISO 178	1800 MPa
Notched Izod impact strength (23 °C)	ISO 180	2.3 kJ/m ²
Rockwell hardness	ISO 2039-2	105
Thermal		
Vicat Softening Temperature (10 N)	ISO 306	162 °C
Melting temperature	ISO 3146	166 °C
Crystallization temperature	ISO 11357-3	126 °C
Heat deflection temperature (0.45 MPa)	ISO 75-2	139 °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