

SIBUR

Technical Data Sheet PP H451 IM/2 Polypropylene

PRODUCT DESCRIPTION

PP H451 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 clarifying agent for high-speed Injection Moulding applications. It provides high transparency and balanced physical and mechanical properties.

TYPICAL APPLICATIONS

PP H451 IM/2 is specially recommended for highly transparent articles manufactured by Injection Moulding. 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	38 MPa
Elongation at yield (50 mm/min)	ISO 527	7 %
Flexural modulus (50 mm/min)	ISO 178	1700 MPa
Notched Izod impact strength (23 °C)	ISO 180	2.0 kJ/m ²
Rockwell hardness	ISO 2039-2	106
Thermal Vicat softening temperature (10 N)	ISO 306	159 °C
Crystallization temperature	ISO 11357-3	128 °C
Heat deflection temperature (0.45 MPa)	ISO 75-2	120 °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