

SIBUR

Technical Data Sheet

PP I452 IM/3

Polypropylene Impact copolymer

PRODUCT DESCRIPTION

PP I452 IM/3 is a high melt flow rate copolymer with a narrow molecular weight distribution used for Injection Molding applications. The product is formulated with antistatic and nucleating additives providing a beneficial balance of physical and mechanical properties and high speed Injection Molding processing. This grade exhibits high stiffness, excellent impact strength and good flow characteristics.

TYPICAL APPLICATIONS

PP I452 IM/3 is specially recommended for high-speed Thin-Wall Injection Molding (TWIM). It is used in the production of housewares, opaque containers, toys, thin-walled containers for food packaging.

Properties	Conditions	Method	Typical values*	Units
Rheology				
Melt Flow Rate	230 °C/2.16 kg	ISO 1133-1	45	g/10 min
Mechanical				
Tensile Stress at Yield	50 mm/min	ISO 527-1	28	MPa
Elongation at Yield	50 mm/min	ISO 527-1	5	%
Flexural Modulus		ISO 178	1500	MPa
Impact				
Notched Izod Impact Strength	23 °C	ISO 180	4.8	kJ/m ²
	-20 °C	ISO 180	3.7	kJ/m ²

*The values given are typical values measured on the product. These values should not be considered as 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