

## 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
<b>Rheology</b>				
Melt Flow Rate	230 °C/2.16 kg	ISO 1133-1	45	g/10 min
<b>Mechanical</b>				
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
<b>Impact</b>				
Notched Izod Impact Strength	23 °C	ISO 180	4.8	kJ/m <sup>2</sup>
	-20 °C	ISO 180	3.7	kJ/m <sup>2</sup>

\*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