

SIBUR

Technical Data Sheet

PP I212 IM/3

Polypropylene Impact copolymer

PRODUCT DESCRIPTION

PP I212 IM/3 is a medium melt flow rate nucleated copolymer with antistatic agent suitable for Injection Molding applications. The product exhibits a beneficial combination of high stiffness, excellent impact characteristics and medium fluidity. The articles produced from this resin show long-term stability and outstanding creep and impact resistance.

TYPICAL APPLICATIONS

PP I212 IM/3 is specially recommended for Injection Molding applications with an optimum stiffness/impact balance such as the production of household goods, toys, furniture and sports equipment.

Properties	Conditions	Method	Typical values*	Units
Rheology				
Melt Flow Rate	230 °C/2.16 kg	ASTM D1238	21	g/10 min
Mechanical				
Tensile Stress at Yield	50 mm/min	ASTM D638	27	MPa
Elongation at Yield	50 mm/min	ASTM D638	7	%
Flexural Modulus		ASTM D790	1500	MPa
Impact				
Notched Izod Impact Strength	23 °C	ASTM D256	85	J/m
	-20 °C	ASTM D256	50	J/m
Charpy Notched Impact Strength	23 °C	ISO 179	6	kJ/m ²
	- 20 °C	ISO 179	4	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.

January 2019