

SIBUR

Technical Data Sheet PP R401 IM/5 Polypropylene Random copolymer

PRODUCT DESCRIPTION

PP R401 IM/5 is a high melt flow rate random copolymer for Injection Molding applications. It is formulated with clarifier and antistatic additives resulting in improved productivity and demolding characteristics. The product exhibits excellent fluidity, high clarity and a good balance of stiffness and impact strength.

TYPICAL APPLICATIONS

PP R401 IM/5 is recommended for highly transparent Thin-Wall Injection Molding (TWIM) items, such as household goods, containers, boxes and thin-wall food packaging.

Properties	Conditions	Method	Typical values*	Units
Rheology				
Melt Flow Rate	230 °C/2.16 kg	ASTM D 1238	40	g/10 min
Mechanical				
Tensile Stress at Yield	50 mm/min	ASTM D 638	29	MPa
Elongation at Yield	50 mm/min	ASTM D 638	13	%
Flexural Modulus	1.27 mm/min	ASTM D 790	1000	MPa
Notched Izod Impact Strength	23 °C	ASTM D 256	54	J/m

*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