

PRODUCT DESCRIPTION

PP R003 EX/1 is a polypropylene random copolymer. The product is characterized by medium melt flow rate, a special stabilization package providing long-term operation of final products under the high temperatures.

TYPICAL APPLICATIONS

PP R003 EX/1 is recommended for Extrusion of pressure pipes, sheets and Injection Moulding of fittings.

Physical Properties	Method	Typical values*
Rheology		
Melt flow rate (MFR) (230 °C/2.16 kg)	ASTM D1238	0.3 g/10 min
Mechanical		
Tensile stress at yield (50 mm/min)	ASTM D638	26 MPa
Tensile elongation at yield (50 mm/min)	ASTM D638	16 %
Tensile strength at break (50 mm/min)	ASTM D638	22 MPa
Flexural modulus (50 mm/min)	ASTM D790	830 MPa
Notched Izod impact strength (23 °C)	ASTM D256	432 J/m
Thermal		
Vicat softening temperature (10 N)	ASTM D1525	145 °C
Heat deflection temperature (0.45 MPa)	ASTM D648	88 °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

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