

Technical Data Sheet
PP R003 EX/1
Polypropylene



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.