



Technical Data Sheet

PP R003 EX/1

Propylene-ethylene random copolymer

PRODUCT DESCRIPTION

PP R003 EX/1 is a propylene-ethylene random copolymer. The product features low fluidity and a special stabilization package that ensures long-term operation of final products at high temperatures.

TYPICAL APPLICATION

PP R003 EX/1 is used for manufacturing of PPR80 standpipes by extrusion.

Properties		Test method	Typical value*
Physical			
Melt flow rate	(230 °C/2.16 kg)	GOST 11645	0.3 g/10 min.
Mechanical			
Tensile strength at yield	(50 mm/min)	GOST 11262	25 MPa
Tensile elongation at yield	(50 mm/min)	GOST 11262	13 %
Flexural modulus	(5 mm/min)	GOST 9550	800 MPa
Notched Izod impact strength	(+23 °C)	GOST 19109	20.0 kJ/m ²
Notched Izod impact strength	(-20 °C)	GOST 19109	3.0 kJ/m ²
Thermal			
Vicat softening point	(10 H)	GOST 15088	137 °C
Heat deflection temperature	(0.45 MPa)	GOST 12021	65 °C

*Typical values; not to be used as specification.

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