

PRODUCT DESCRIPTION

PP R018 BM/1 is a polypropylene random copolymer. The product is characterized by medium melt flow rate, a special stabilization package and balanced physical and mechanical properties.

TYPICAL APPLICATIONS

PP R018 BM/1 is recommended for general purpose articles manufactured by Blow Moulding. It complies with EU Food Contact Regulations.

Physical Properties	Method	Typical values*
Rheology		
Melt flow rate (MFR) (230 °C/2.16 kg)	GOST 11645 (similar to ISO 1133)	1.8 g/10 min
Mechanical		
Tensile stress at yield (50 mm/min)	GOST 11262 (similar to ISO 527-2)	24 MPa
Tensile elongation at yield (50 mm/min)	GOST 11262 (similar to ISO 527-2)	12 %
Flexural modulus (50 mm/min)	GOST 9550 (similar to ISO 178)	900 MPa
Notched Izod impact strength (23 °C) (-20 °C)	GOST 9550 (similar to ISO 180)	20 kJ/m ² 1.5 kJ/m ²
Thermal		
Vicat softening temperature (10 N)	GOST 15088 (similar to ISO 306)	135 °C
Heat deflection temperature (1.8 MPa)	GOST 12021 (similar to ISO 75)	50 °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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