Manufacturer website: https://www.sibur.ru/en/

Technical Data Sheet

PP H270 FF/1

Polypropylene

PRODUCT DESCRIPTION

PP H270 FF/1 is a polypropylene homopolymer with narrow molecular weight distribution. The product is characterized by high melt flow range, an optimal stabilization package providing excellent colour protection and balanced physical and mechanical properties.

TYPICAL APPLICATIONS

PP H270 FF/1 is recommended for non-woven materials, thermally bonded and needled fabrics, agricultural textile, and hygienic materials. It complies with EU Food Contact Regulations.

Physical Properties	Typical values*	Method
Rheology		
Melt Flow Rate, g/10 min (230 °C/2.16 kg)	27.0	GOST 11645 (method similar to ISO 1133)
Mechanical		
Tensile Stress at Yield, MPa (50 mm/min)	30.0	GOST 11262 (method similar to ISO 527-2)
Elongation at Yield, % (50 mm/min)	11	GOST 11262 (method similar to ISO 527-2)
Flexural modulus, MPa (5 mm/min)	1400	GOST 9550 (method similar to ISO 178)
Notched Izod impact strength, kJ/m^2 (23 °C)	2.0	GOST 19109 (method similar to ISO 180)

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Thermal		
Vicat Softening Temperature, °C (10 N)	156	GOST 15088 (method similar to ISO 306)
Heat deflection temperature, °C (1.8 MPa)	60	GOST 12021 (method similar to ISO 75)

*Typical values; not for specification

REACH Statement

Polymers are exempted from registration under REACH. However, the corresponding monomers (used as raw materials for polymer production) 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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