

PRODUCT DESCRIPTION

PP H270 FF/3 is a polypropylene homopolymer with narrow molecular weight distribution. The product is characterized by high melt flow rate and anti-gas fading stabilization package providing excellent colour protection and balanced physical and mechanical properties.

TYPICAL APPLICATIONS

PP H270 FF/3 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	Method	Typical values*
Rheology		
Melt Flow Rate (230 °C/2.16 kg)	ASTM D1238	27 g/10 min
Mechanical		
Tensile stress at yield (50 mm/min)	ASTM D638	34 MPa
Elongation at yield (50 mm/min)	ASTM D638	9 %
Elongation at break	ASTM D638	19 MPa
Flexural modulus (50 mm/min)	ASTM D790	1300 MPa
Notched Izod impact strength (23 °C)	ASTM D256	28 J/m
Rockwell hardness	ASTM D785	113
Thermal		
Vicat softening temperature (10 N)	ASTM D1525	160 °C
Heat deflection temperature (0.45 MPa)	ASTM D648	102 °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