

PRODUCT DESCRIPTION

SIBEX® PP H031 BF/2 is a polypropylene homopolymer with standard molecular weight distribution. The product is characterized by medium melt flow rate, an optimal stabilization package without metal stearates and balanced physical and mechanical properties.

TYPICAL APPLICATIONS

SIBEX® PP H031 BF/2 is recommended for biaxially oriented polypropylene film extrusion, especially for metallized BOPP. It complies with EU Food Contact Regulations.

Physical Properties	Method	Typical values*
Rheology		
Melt Flow Rate (230 °C/2.16 kg)	ISO 1133	3.0 g/10 min
Mechanical		
Tensile stress at yield (50 mm/min)	ISO 527	35 MPa
Elongation at yield (50 mm/min)	ISO 527	9 %
Tensile strength at break (50 mm/min)	ISO 527	15 MPa
Tensile modulus (50 mm/min)	ISO 527	1600 MPa
Flexural modulus (50 mm/min)	ISO 178	1400 MPa
Notched Izod impact strength (23 °C)	ISO 180	3.5 kJ/m ²
Rockwell hardness	ISO 2039-2	114
Thermal		
Vicat softening temperature (10 N)	ISO 306	163 °C
Melting temperature	ISO 3146	165 °C
Crystallization temperature	ISO 11357-3	120 °C
Heat deflection temperature (0.45 MPa)	ISO 75-2	114 °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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