

PRODUCT DESCRIPTION

SIBEX® PP H552 IM/2 is a polypropylene homopolymer with standard molecular weight distribution. The product is characterized by high melt flow rate, a special stabilization package with nucleating and antistatic agents for Thin Wall Injection Moulding applications. It provides improved physical and mechanical properties.

TYPICAL APPLICATIONS

SIBEX® PP H552 IM/2 is specially recommended for high-speed Injection Moulding process and for high-rigidity TWIM applications. It complies with EU Food Contact Regulations.

Physical Properties	Method	Typical values*
Rheology		
Melt Flow Rate (230 °C/2.16 kg)	ISO 1133	55 g/10 min
Mechanical		
Tensile Stress at Yield (50 mm/min)	ISO 527	39 MPa
Elongation at Yield (50 mm/min)	ISO 527	6 %
Flexural modulus (50 mm/min)	ISO 178	1700 MPa
Notched Izod impact strength (23 °C)	ISO 180	2.5 kJ/m ²
Rockwell hardness	ISO 2039-2	105
Thermal		
Vicat Softening Temperature (10 N)	ISO 306	159 °C
Melting temperature	ISO 3146	165 °C
Crystallization temperature	ISO 11357-3	129 °C
Heat deflection temperature (0.45 MPa)	ISO 75-2	136 °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

Contact

PJSC «Sibur Holding»

Basic Polymers Division
3-16, Krzhizhanovskogo St.
117997, Moscow, Russian Federation
Tel.: ++7 495 7775500
E-mail: servicedbp@sibur.ru

European Sales Office

Sibur International GmbH
Prinz Eugen Straße 8-10
1040, Vienna, Austria
Tel.: ++43 1 370 8000
E-mail: polyolefins@sibur-int.com

Turkey Sales Office

SIBUR Istanbul Uluslararası Tic. Ltd. Şti.
Ferko Signature Levent
Esentepe, Büyükdere Cd. No:175, 4.Kat / A25
34394 Şişli, Istanbul, Turkey
Tel: ++90 212 919 0035
E-mail: polyolefins@sibur-int.com

Chinese Sales Office

SIBUR International Trading (Shanghai)Co., Ltd
Rm.62T70, SWFC, Century Ave.100 Pudong New
Area, 200120, Shanghai, China
Tel: ++86 021 2206 5066 ext 215
E-mail: serviceCN@sibur-int.com

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