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

Technical Data Sheet

PP H452 IM/2

Polypropylene

PRODUCT DESCRIPTION

PP H452 IM/2 is a polypropylene homopolymer with standard molecular weight distribution. The product is characterized by high melt flow range, a special stabilization package with nucleating agent for high-speed Injection Moulding applications. It provides improved physical and mechanical properties.

TYPICAL APPLICATIONS

PP H452 IM/2 is specially recommended for high-speed Injection Moulding process and for high-rigidity applications. It complies with EU Food Contact Regulations.

Physical Properties	Typical values*	Method
Rheology		
Melt Flow Rate, g/10 min (230 °C/2.16 kg)	45.0	GOST 11645 (method similar to ISO 1133)
Mechanical		
Tensile Stress at Yield, MPa (50 mm/min)	34.0	GOST 11262 (method similar to ISO 527-2)
Elongation at Yield, % (50 mm/min)	9	GOST 11262 (method similar to ISO 527-2)
Flexural modulus, MPa (5 mm/min)	1500	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)

Edition: Dec 2014

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Thermal		
Vicat Softening Temperature, °C (10 N)	156	GOST 15088 (method similar to ISO 306)
Heat deflection temperature, °C (0.45 MPa)	100	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

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 International Trading Istanbul
EGS Business Park, B1 Blok, Kat.9, No.318
Yeşilköy, Bakırköy
Istanbul, Turkey
Tel: ++90 212 465 2321
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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