

# PP H452 IM

## Propylene homopolymer

### • DESCRIPTION

PP H452 IM is a propylene homopolymer with narrow molecular weight distribution. This is a high flow product with special stabilizers allowing high speed processing, providing transparency and balanced physical and mechanical properties of products.

### • APPLICATION

PP H452 IM is designed for high-speed injection molding of stiff products.

PROPERTIES	TEST CONDITIONS	TEST STANDARD	TYPICAL VALUE *
<b>Physical</b>			
Melt Flow Index, g/10 min	(230 °C/2.16 kg)	ISO 1133 or GOST 11645	40.0-50.0
<b>Mechanical</b>			
Tensile Yield Strength, MPa	(50 mm/min)	ISO 527 or GOST 11262	34
Elongation at Yield, %	(50 mm/min)	ISO 527 or GOST 11262	9
Flexural Modulus, MPa	(2 mm/min)	GOST 9550	1500
Isod Impact Strength, Notched, kJ/m <sup>2</sup>	(+23 °C)	ISO 180 or GOST 19109	2.0
<b>Thermophysical</b>			
Vicat Softening Point, °C	(10 N)	ISO 306 or GOST 15088	156
Heat Deflection Temperature, °C	(0.45 MPa)	ISO 75 or GOST 12021	80

\*Typical value; not for the specification.

*Drawn: March 2013*

The information provided in the present document is accurate and reliable and is correct at the time of going to print. The TITAN Company does not guarantee or claim the information provided in the present document to be accurate or complete, and disclaims any responsibility for the consequences resulting from using the information and is not liable for any misprints. Our products are designated for sale to industrial and commercial customers. Conduction of the tests for determination of applicability of the products for particular usage is the customer's responsibility. The customer is also responsible for our products processing as well as appropriate, safe and legal use.