

TOLEN H451 IM

Polypropylene Homopolymer
SIBUR, LLC

Message:

PP H451 IM is a polypropylene homopolymer with narrow molecular mass distribution. The product features high fluidity and a special stabilizing package that ensures high processing speed, transparency, and balanced physical and mechanical properties of final products.

General Information			
Features	Good Processability		
	Good Stability		
	High Flow		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Transparent Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	30.0	MPa	Internal Method
Tensile Strain ² (Yield)	11	%	Internal Method
Flexural Modulus ³	1500	MPa	Internal Method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	2.0	kJ/m ²	Internal Method
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	Internal Method
Vicat Softening Temperature	156	°C	Internal Method ⁴
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	A (10N)		

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