



Polypropylene (PP) natural

Chemical Designation

PP-H (PP-H (Polypropylene Homopolymer))

Colour

white opaque

Density

0.9 g/cm³

<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>	
Modulus of elasticity (tensile test)		1400	MPa	DIN EN ISO 527-1	(1) n.b. = not broken	
Tensile strength at yield		32	MPa	DIN EN ISO 527-1		
Elongation at yield		8	%	DIN EN ISO 527-1		
Impact strength (Charpy)		n.b.	kJ/m ²	DIN EN ISO 179-1	1)	
Shore hardness	Shore D	70		DIN EN ISO 868		
Ball indentation hardness		70	MPa	ISO 2039-1		
<i>Thermal properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>	
Service temperature		+0 - +100	°C	-	1)	(1) Found in public sources. Individual testing regarding application conditions is mandatory.
Thermal expansion (CLTE)		16	10 ⁻⁵ K ⁻¹	DIN EN ISO 11359-1;2		
<i>Electrical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>	
Specific surface resistance		10 ¹⁴	Ω	DIN IEC 60093		
Dielectric strength		58	kV/mm	ISO 60243-1		
<i>Other properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>	
Flammability	corresponding to	B2		DIN 4102	1)	(1) Corresponding means no listing. The information might be taken from resin, stock shape or estimation. Individual testing regarding application conditions is mandatory.