

## Description

Polypropylene PPH 7089 is a narrow molecular weight distribution homopolymer polypropylene, with anti-gas fading stabilisation.

Polypropylene PPH 7089 is intended for the extrusion of fibres with the spunbond technology. It is also suitable for extrusion of continuous filaments (CF).

## Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	12
<b>Mechanical properties</b>			
Tensile Strength at Yield	ISO 527-2	MPa	30
Elongation at Yield	ISO 527-2	%	11
Tensile modulus	ISO 527-2	MPa	1350
Flexural modulus	ISO 178	MPa	1250
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m <sup>2</sup>	4
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m <sup>2</sup>	4.5
Hardness Rockwell - R-scale	ISO 2039-2		92
<b>Thermal properties</b>			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			78
10N-50°C per hour			147
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			52
0.45 MPa - 120°C per hour			95
<b>Other physical properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	0.905
Bulk Density	ISO 1183	g/cm <sup>3</sup>	0.525

