

# TOTAL Polypropylene PPH 9069

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 9069 is homopolymer with a Melt Flow Index of 25 g/10 min.  
Polypropylene PPH 9069 is intended for applications in non-wovens. It is also suitable for extrusion of bulk continuous filament (BCF) and continuous filament (CF) fibres. Polypropylene PPH 9069 has a special anti gas-fading formulation to significantly reduce yellowing in fibres.  
The high fluidity of polypropylene PPH 9069 also makes it especially suitable for high speed injection moulding of thin walled articles.

General Information	
Additive	Anti-gas fading
Features	High Flow
Uses	BCF Multifilaments
	Fibers
	Filaments
	Nonwovens
	Thin-walled Parts

Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Fiber (Spinning) Extrusion
	Filament Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ISO 1183
Apparent Density	0.53	g/cm <sup>3</sup>	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Yield)	9.0	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact Strength (23°C)	3.0	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A50
--	89.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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#### Recommended distributors for this material

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