

TOTAL Polypropylene PPH 7089

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

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).

General Information	
Additive	Anti-gas fading
Features	Narrow Molecular Weight Distribution
Uses	Fibers
	Filaments
	Spun Bonding
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Fiber (Spinning) Extrusion
	Filament Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	11	%	ISO 527-2
Flexural Modulus	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	4.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	95.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	52.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	147	°C	ISO 306/A50

--	78.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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