

TOTAL Polypropylene PPH 9089

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 9089 is a very narrow molecular weight distribution homopolymer polypropylene, with anti-gas fading stabilization. Polypropylene PPH 9089 is intended for the extrusion of fine fibres with the spunbond technology. Polypropylene PPH 9089 is also suitable for injection molding applications.

General Information			
Additive	Anti-gas fading		
Features	Narrow Molecular Weight Distribution		
Uses	Fibers		
	Spun Bonding		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
	Fiber (Spinning) Extrusion		
	Injection Molding		
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)	25	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	1300	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	3.5	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			

--	148	°C	ISO 306/A50
--	80.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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