

TOTAL Polypropylene PPH 9099

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 9099 is a very narrow molecular weight distribution homopolymer polypropylene, with anti-gas fading stabilisation. Polypropylene PPH 9099 is intended for the extrusion of fine fibres with the spunbond technology.

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

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

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