

TOTAL Polypropylene PPH 9059

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 9059 is homopolymer with a Melt Flow Index of 25 g/10 min.
Polypropylene PPH 9059 is intended for extrusion of bulk continuous filament (BCF) and continuous filament (CF) fibres.
Polypropylene PPH 9059 has a special anti gas-fading formulation to significantly reduce yellowing in fibres.

General Information			
Additive	Anti-gas fading		
Uses	BCF Multifilaments		
	Filaments		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Filament Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Apparent Density	0.53	g/cm³	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/m²	ISO 179
Notched Izod Impact Strength (23°C)	3.0	kJ/m²	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

