

TOTAL Polypropylene PPH 3862

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 3862 is recommended for high speed melt spinning processes and multifilament yarns like bulk continuous filament (BCF) and continuous filament (CF) fibres. 3862 is specially design for ultra fine staple fibers with good mechanical properties. 3862 features excellent processability and gas fade resistance in order to significantly reduce yellowing in fibres. 3862 is also recommended for thin wall injection molding application requiring high fluidity and high stiffness or for compounding application.

General Information			
Features	Gas-fading Resistant		
	Good Processability		
	High Flow		
	High Stiffness		
	Homopolymer		
Uses	BCF Yarn		
	Compounding		
	Fibers		
	Filaments		
	Staple Fibers		
	Thin-walled Parts		
	Yarn		
Processing Method	Fiber (Spinning) Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.53	g/cm ³	Internal Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	38.0	MPa	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	17	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	153	°C	ASTM D1525 ¹
Melting Temperature	165	°C	DSC
Additional Information	Nominal Value	Unit	Test Method
Isotactic Index	96	%	Internal Method

NOTE

1. Loading 1 (10 N)

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Recommended distributors for this material

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