

MARPOL® Homo 18.F

Polypropylene Homopolymer

Marco Polo International, Inc.

Message:

Additives: None
Recommended Applications: Staple fibers and bulk continuous filament (BCF) yarns.
Homo 18.F complies with all applicable FDA regulations for food contact.

General Information			
Features	Additive Free		
	Food Contact Acceptable		
	Homopolymer		
Uses	BCF Yarn		
	Filaments		
	Staple Fibers		
Agency Ratings		FDA Food Contact, Unspecified Rating	
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1650	MPa	ASTM D638
Tensile Elongation (Yield)	65	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Flexural Stiffness	1.21	GPa	ASTM D790
Tenacity	3.20	g/denier	ASTM D3218
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	18	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	116	°C	ASTM D648
Vicat Softening Temperature	150 to 155	°C	ASTM D1525
Melting Temperature	166	°C	DSC

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