

MARPOL® Homo 18.F

Marco Polo International, LLC - Polypropylene Homopolymer

Monday, December 4, 2023

General Information

Product Description Additives: None

Recommended Applications: Staple fibers and bulk continuous filament (BCF) yarns.

Homo 18.F complies with all applicable FDA regulations for food contact.

Material Status	Commercial: Active		
Availability	 Africa & Middle East Asia Pacific	 Europe Latin America	North America
atures	Additive Free	Food Contact Acceptable	 Homopolymer
ses	BCF Yarn	• Filaments	Staple Fibers
gency Ratings	FDA Food Contact		

ASTM & ISO Duomoution1

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	116	°C	
Vicat Softening Temperature	150 to 155	°C	ASTM D1525
Melting Temperature	166	°C	DSC
Additional Information	Nominal Value	Unit	Test Method
Tenacity	3.20	g/denier	ASTM D3218

Notes

¹ Typical properties: these are not to be construed as specifications.



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