



# MARPOL® Homo 7.0

Marco Polo International, LLC - Polypropylene Homopolymer

Monday, October 30, 2023

## General Information

### Product Description

Recommended Applications: Slit film, monofilament, and fibrillated tape applications requiring improved process stability.

Homo 4.5 complies with all applicable FDA regulations for food contact applications.

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Homopolymer		
Uses	• Film	• Monofilaments	• Tape

## ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1520	MPa	ASTM D638
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	910	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	107	°C	ASTM D648
Melting Temperature	73.9	°C	

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.