



# MARPOL® Homo 1700

Marco Polo International, LLC - Polypropylene Homopolymer

Friday, December 1, 2023

## General Information

### Product Description

MARPOL® Homo 1700 is a metallocene based homopolymer resin with an extremely high melt flow rate and very narrow molecular weight distribution. It is suitable for melt blown fibers as well as compounding extrusion applications. This material is available as a free-flowing, low dust granule (flake) resin. This product contains no peroxide or peroxide decomposition by-products. It is a low gas fading product.

The very narrow molecular weight distribution and high degree of resin consistency promote finer fibers, enhanced fiber filament thread line continuity as well as reduced fly and lint in melt blown spinning processes. Its extremely high melt flow rate allows reduced processing temperatures and energy savings. This is a low smoke, clean running resin with good thermal and processing stability.

Recommended application: Absorption & Filtration; Colour Concentrates; Nonwovens; Wipes/Tissues

Processing Method: Compounding; Melt Blown.

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Gas-fading Resistant • Good Processing Stability	• Good Thermal Stability • High Flow	• Homopolymer • Narrow Molecular Weight Distribution
Uses	• Fibers • Filtration Media	• Medical/Healthcare Applications • Meltblown Nonwovens	• Personal Care
Forms	• Flakes	• Granules	
Processing Method	• Compounding	• Extrusion	• Fiber (Spinning) Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	1700	g/10 min	ASTM D1238

### Notes

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