



MARPOL® Homo 36.0

Marco Polo International, LLC - Polypropylene Homopolymer

Tuesday, December 19, 2023

General Information

Product Description

Processing: Multifilament Extrusion

MARPOL® HOMO 36.0 is a premium polypropylene homopolymer resin for spunbond and fine denier fiber applications. Excellent uniformity for high-speed spinning of fine denier fibers. Contains stabilizer package suitable for most nonwoven and filament products.

Recommended Applications: Nonwoven applications, fiber applications, and fine denier fiber.

FDA Status

This resin complies with FDA regulation 21 CFR 177.1520 (c)1.1a, and may be used as articles or components of articles intended to contact food.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Unspecified Stabilizer		
Features	• Food Contact Acceptable	• Homopolymer	
Uses	• Coating Applications • Fibers	• Filaments • Nonwovens	• Spun Bonding
Agency Ratings	• FDA 21 CFR 177.1520(c) 1.1a		
Processing Method	• Extrusion Coating	• Filament Extrusion	

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	36	g/10 min	ASTM D1238
Molecular Weight Distribution	< 3.00	Mw/Mn	

Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	150	%	ASTM D638

Additional Information	Nominal Value	Unit
Tenacity	3.10	g/denier

Notes

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