



MARPOL® Homo 20.0

Marco Polo International, LLC - Polypropylene Homopolymer

Monday, October 30, 2023

General Information

Product Description

Additives: None

Recommended Applications: Housewares, consumer products, and rigid packaging.

Homo 20.0 is a general purpose homopolymer for injection molding applications. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Additive Free	• Food Contact Acceptable	• Homopolymer
Uses	• Consumer Applications	• Household Goods	• Rigid Packaging
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.9	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Tensile Elongation (Break)	> 200	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	103	°C	ASTM D648

Notes

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