

MARPOL® Homo 12.0

Polypropylene Homopolymer

Marco Polo International, Inc.

Message:

Additives: None

Recommended Applications: Injection molding of house wares, utility boxes and containers, as well as general purpose extrusion.

Homo 12.0 complies with all applicable FDA regulations and may be used under those provisions for food contact applications.

General Information			
Features	Additive Free		
	Food Contact Acceptable		
	Homopolymer		
Uses	Containers		
	General Purpose		
	Household Goods		
	Tool/Tote Box		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1520	MPa	ASTM D638
Tensile Strength (Yield)	33.1	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	960	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	121	°C	ASTM D648
Melting Temperature	166	°C	DSC

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