

MARPOL® Homo 20.NA

Polypropylene Homopolymer

Marco Polo International, Inc.

Message:

Additives: Nucleation and Antistat
Recommended Applications: Caps, closures, and thin wall containers
Homo 20.NA complies with all applicable FDA regulations for food contact applications.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Homopolymer		
	Nucleated		
Uses	Caps		
	Closures		
	Thin-walled Containers		
Agency Ratings		FDA Food Contact, Unspecified Rating	
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1790	MPa	ASTM D638
Tensile Strength (Yield)	37.9	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	127	°C	ASTM D648
Melting Temperature	166	°C	DSC

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