

# MTEGRITY™ PP Homopolymer PP500

Polypropylene Homopolymer

M. Holland Company

Message:

MTEGRITY™ PP Homopolymer PP500 is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by injection molding and is available in North America. Applications of MTEGRITY™ PP Homopolymer PP500 include kitchenware, medical/healthcare and packaging. Characteristics include:  
Good Processability  
Homopolymer

General Information			
Features	Good Processability		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Disposable Drinkware		
	Medical/Healthcare Applications		
	Packaging		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	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 Strength (Yield)	36.5	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256

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