

MAXAMID™ 403/450 NAT

Polyamide 66

Pier One Polymers, Inc.

Message:

MAXAMID™ 403/450 NAT is a Polyamide 66 (Nylon 66) material. It is available in North America for injection molding. Primary attribute of MAXAMID™ 403/450 NAT: Impact Modified.

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	65.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	130	%	ASTM D638
Flexural Modulus (23°C)	2070	MPa	ASTM D790
Flexural Strength (23°C)	75.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	74.0	°C	ASTM D648
Peak Melting Temperature	255	°C	ASTM D3418
Injection	Nominal Value	Unit	
Suggested Max Moisture	< 0.20	%	
Processing (Melt) Temp	290 to 305	°C	
Mold Temperature	38.0 to 93.0	°C	

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Recommended distributors for this material

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