

Modified Plastics MN6-FG10 SE BK

Modified Plastics, Inc. - Polyamide 6

General Information

Product Description

NYLON 6, 10% GLASS FIBER, SELF EXTINGUISHING, BLACK
ITEM NUMBER: MP20098

General

Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Self Extinguishing
Appearance	• Black

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.50		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3 to 7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	820000 to 1.00E+6	psi	ASTM D638
Tensile Strength (Yield)	11000 to 13000	psi	ASTM D638
Tensile Elongation (Break)	2.0 to 4.0	%	ASTM D638
Flexural Modulus	600000 to 780000	psi	ASTM D790
Flexural Strength	17800 to 20000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.80 to 1.2	ft-lb/in	ASTM D256
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Dew Point	0	°F
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	470 to 535	°F
Mold Temperature	130 to 200	°F