

Antek

MADISON

Plastics Corporation

HIPS General Purpose Molding Grade

GENERAL	ASTM TEST	ENGLISH VALUES	UNITS
Specific Gravity/Density	D-792	1.04	lb/ft ³
Mold Shrinkage 1/8" Bar	D-956	.003 - .007	in/in
Hardness, Rockwell	D-785	R105	--
Reinforcement Content			%
Water Absorption (24 hr.)	D-570		%
MECHANICAL			
Tensile Strength	D-638	3,500	psi
Elongation @ Break	D-638	45	%
Flexural Modulus	D-790	325,000	psi x 10 ⁵
Flexural Strength	D-790	7,000	psi
Izod Impact	D-256	2	ft lb/in
THERMAL			
Heat Deflection Temp.	D-648	188	F @ 66psi
Heat Deflection Temp.	D-648	172	F @ 264psi
ELECTRICAL			
Dielectric Strength	D-149		V/mil
Volume Resistivity	D-257		Log 10 OHM in ² /in
Arc Resistance	D-495		sec.
FLAMMABILITY			
1/16"	UL	HB	
1/8"			
RHEOLOGICAL PROPERTIES			
Melt Flow Rate MFR 230 C/3.8 kg	D-1238	6.0 - 8.0	g/10 min
Intrinsic Melt Viscosity	D-3835		poise

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