



DIAMOND POLYMERS, INC.

ASA Weatherable Polymers  
Direct Metalizable Grade

## ASA M806

Medium Heat

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
<b>PHYSICAL</b>			
Melt Flow Rate - Procedure A (240° C/10.0 kg)	D-1238	g/10 min	22.0
Specific Gravity	D-792		1.08
Mold Shrinkage	D-955	in/in cm/cm	0.004 - 0.007 0.004 - 0.007
Rockwell Hardness	D-785	R scale	--
<b>IMPACT</b>			
Izod Impact, notched 0.250" bar, 23° C (73° F)	D-256	ft-lb/in kg cm/cm	1.0 5.4
<b>FLEXURAL</b>			
Flexural Modulus, tangent chs 0.05 in/min	D-790	psi MPa	345,000 2,377
<b>TENSILE</b>			
Tensile Yield Strength, chs 2 in/min	D-638	psi MPa	7,515 51.8
<b>THERMAL</b>			
Heat Deflection Temperature 0.125" bar @ 264 psi Unannealed/Conditioned 48 hours @ 23° C (73° F)	D-648	°F °C	190 88
0.250" bar @ 264 psi Unannealed/Conditioned 48 hours @ 23° C (73° F))		°F °C	196 91

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