



DIAMOND POLYMERS, INC.

ASA Weatherable Polymers
Injection Molding Grade

ASA T-120

High Heat Resistance

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
PHYSICAL			
Melt Flow Rate - Procedure A Condition G (200°C/5.0 kg) Condition I (230°C/3.8 kg)	D-1238	g/10 min g/10 min	0.7 2.8
Specific Gravity	D-792		1.07
Mold Shrinkage	D-955	in/in cm/cm	0.003-0.007 0.003-0.007
Rockwell Hardness	D-785	R scale	104
IMPACT			
Izod Impact, notched 0.125", 23° C (73° F)	D-256	ft-lb/in J/m	1.7 91
FLEXURAL			
Flexural Modulus, tangent, chs 0.05 in/min	D-790	psi MPa	346,000 2384
TENSILE			
Tensile Yield Strength, chs 2 in/min	D-638	psi MPa	6,875 47
THERMAL			
Heat Deflection Temperature 0.125" bar @ 1.8 Mpa (264 psi) Unannealed/Conditioned 40 hours @ 23°C (73° F)	D-648	°F °C	198 92
0.250" bar @ 1.8 MPa (264 psi) Unannealed/Conditioned 40 hours @ 23°C (73° F)		°F °C	212 100
Vicat Softening Point, 0.125", 1Kg	D-1525	°F °C	253 123

SDB 01-1

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