



DIAMOND POLYMERS, INC.

Preliminary Technical
Data Sheet

ASA/PC
122954H

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
PHYSICAL			
Melt Flow Rate - Procedure A Condition (265°C/5 kg)	D-1238	g/10 min	13.0
Specific Gravity	D-792		1.14
Mold Shrinkage	D-955	in/in cm/cm	0.004-0.006 0.004-0.006
Rockwell Hardness	D-785	R-Scale	--
IMPACT			
Izod Impact, notched Test Method A (0.125" bar)	D-256	ft-lb/in J/m	9.0 481
FLEXURAL			
Flexural Modulus - Procedure B Test Method I (chs 0.05 in/min)	D-790	psi MPa	300,000 2,067
TENSILE			
Tensile Yield Strength chs 2 in/min	D-638	psi MPa	7,200 49.6
THERMAL			
Heat Deflection Temperature Unannealed/Conditioned 48 hours @ 23°C (73°F) 0.125" bar @ 1.8 Mpa (264 psi)	D-648	°F °C	244 118
0.250" bar @ 1,8 Mpa (264 psi)		°F °C	-- --
Vicat Softening Point, 0.125", 1 Kg	D-1525	°F °C	295 146
FLAMMABILITY RATING			
Minimum thickness 1.5 mm / 0.0625 in / 1/16"	UL 94		HB

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