



DIAMOND POLYMERS, INC.

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		
0.250" bar @ 1,8 Mpa (264 psi)		°F °C	244 118
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

The information contained herein is provided for general reference purposes only. Diamond Polymers Inc. makes no guarantee or warranty and does not assume liability with respect to the accuracy or completeness of the information presented, or the product results in any specific instance and hereby expressly disclaims any implied warranties of suitability or fitness for a particular purpose or any other warranties or representations whatsoever expressed or implied. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of patent. EAP/12-09-03