



DIAMOND POLYMERS, INC.

**ASA/PC**  
**6040**  
**Natural**

*UV Stabilized*

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
<b>PHYSICAL</b>			
Melt Flow Rate - Procedure A Condition (265°C/5 kg)	D-1238	g/10 min	35.0
Specific Gravity	D-792		1.15
Mold Shrinkage	D-955	in/in cm/cm	0.004 - 0.008 0.004 - 0.008
Rockwell Hardness	D-785	R-Scale	--
<b>IMPACT</b>			
Izod Impact, notched Test Method A (0.125" bar)	D-256	ft-lb/in J/m	11.0 587
<b>FLEXURAL</b>			
Flexural Modulus - Procedure B Test Method I (chs 0.05 in/min)	D-790	psi MPa	293,000 2,019
<b>TENSILE</b>			
Tensile Yield Strength chs 2 in/min	D-638	psi MPa	7,062 48.7
<b>THERMAL</b>			
Heat Deflection Temperature Unannealed/Conditioned 48 hours @ 23°C (73°F) 0.125" bar @ 1.8 Mpa (264 psi)	D-648	°F °C	190 88
0.250" bar @ 1,8 Mpa (264 psi)		°F °C	201 94
Vicat Softening Point, 0.125", 1 Kg	D-1525	°F °C	253 123
<b>FLAMMABILITY RATING</b>			
Minimum thickness 1.5 mm / 0.0625 in / 1/16"	UL 94		--

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