



DIAMOND POLYMERS, INC.

Reinforced Grade

**ABS 3501 GF-30**

30% Glass Filled

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
<b>PHYSICAL</b>			
Melt Flow Rate - Procedure A Condition G (200° C/5.0 kg) Condition I (230° C/3.8 kg)	D-1238	g/10 min	0.1
		g/10 min	3.0
Specific Gravity	D-792		1.24
Mold Shrinkage	D-955	%	0.2
<b>IMPACT</b>			
Izod Impact, notched Test Method A (0.125" bar)	D-256	ft-lb/in J/m	1.2 64.1
<b>FLEXURAL</b>			
Flexural Modulus - Procedure B chs 0.05 in/min	D-790	psi MPa	817,000 5,629
<b>TENSILE</b>			
Tensile Yield Strength chs 2 in/min	D-638	psi MPa	11,350 78.2
<b>THERMAL</b>			
Heat Deflection Temperature 0.125" bar @ 264 psi Annealed 4 hours @ 80° C	D-648	°F	217
		°C	102
Vicat Softening Point 0.125" bar/wt 1000g	D-1525	°F °C	239 115

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