



DIAMOND POLYMERS, INC.

Reinforced Grade

ABS 3501 GF-20

20% Glass Filled

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	0.8 3.0
Specific Gravity	D-792		1.17
Mold Shrinkage	D-955	%	0.3
IMPACT			
Izod Impact, notched 0.125", 23°C (73°F)	D-256	ft-lb/in J/m	1.2 64.1
FLEXURAL			
Flexural Modulus - Procedure B chs 0.05 in/min	D-790	psi MPa	642,000 4,423
TENSILE			
Tensile Yield Strength chs 2 in/min	D-638	psi MPa	9,800 67.5
THERMAL			
Heat Deflection Temperature 0.125" bar @ 264 psi Annealed 4 hours @ 80° C	D-648	°F °C	215 101
Vicat Softening Point 0.125" bar/wt 1000g	D-1525	°F °C	236 113

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