



DIAMOND POLYMERS, INC.

Injection Molding Grade

ABS 2510
Medium Impact High Flow

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	3.5 14.0
Specific Gravity	D-792		1.06
Mold Shrinkage	D-955	in/in cm/cm	0.004-0.006 0.004-0.006
Rockwell Hardness	D-785	R scale	110
IMPACT			
Izod Impact, notched 0.125", 23° C (73° F)	D-256	ft-lb/in J/m	3.5 187
FLEXURAL			
Flexural Modulus, tangent, chs 0.05 in/min	D-790	psi MPa	340,000 2,343
TENSILE			
Tensile Yield Strength, chs 2 in/min	D-638	psi MPa	6,800 46.9
THERMAL			
Heat Deflection Temperature 0.125" bar @ 1.8 Mpa (264 psi) Unannealed/Conditioned 48 hours @ 23° C (73° F)	D-648	°F °C	172 78
Annealed 4 hours @ 80° C (176° F)		°F °C	201 94
Vicat Softening Point, 0.125", 1Kg	D-1525	°F °C	219 104
FLAMMABILITY RATING			
Minimum Thickness 1.5mm / 0.0625in / 1/16" 2.5mm / 0.100in / 3/32" 3.0mm / 0.125in / 1/8"	UL 94 UL 94 UL 94		HB
U.L. File Number			E119088

EGG/9-1-97

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.