



DIAMOND POLYMERS, INC.

Injection Molding Grade

**ABS TS 15/04**  
ABS / PC Alloy

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
<b>PHYSICAL</b>			
Melt Flow Rate - Procedure A 265° C/5.0 kg	D-1238	g/10 min	10.0
Specific Gravity	D-792		1.12
<b>IMPACT</b>			
Izod Impact, notched 0.125", 23° C (73° F)	D-256	ft-lb/in J/m	10 534
<b>FLEXURAL</b>			
Flexural Modulus, tangent, chs 0.05 in/min, 0.125 " bar	D-790	psi MPa	320,000 2,205
<b>TENSILE</b>			
Tensile Yield Strength, Type I bar, chs 2 in/min	D-638	psi MPa	6,500 44.8
Elongation @ Yield Type I bar, chs 2 in/min	D-638	%	3.0
<b>THERMAL</b>			
Heat Deflection Temperature 0.125" bar @ 1.8 Mpa (264 psi) Unannealed/Conditioned 40 hours @ 23° C (73° F)	D-648	°F °C	198 92
Vicat Softening Point, 1Kg, Rate B	D-1525	°F °C	261 127

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