



DIAMOND POLYMERS, INC.

ABS/PC Injection Molding Grade

# ABS/PC 7030

High Impact

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
<b>PHYSICAL</b>			
Melt Flow Rate - Procedure A 200°C/5.0k g 265°C/5 kg	D-1238	g/10 min	1.5 35.0
Specific Gravity	D-792		1.14
Mold Shrinkage	D-955	in/in cm/cm	0.004-0.008 0.004-0.008
<b>IMPACT</b>			
Izod Impact, notched 0.125" bar, 23° C (73° F)	D-256	ft-lb/inch J/m	10.0 534
<b>FLEXURAL</b>			
Flexural Modulus, tangent 0.125" bar, 0.05"/MIN CHS	D-790	psi MPa	330,000 2,274
<b>TENSILE</b>			
Tensile Yield Strength, Type I bar, 2.0"/min CHS	D-638	psi MPa	8,000 55
<b>THERMAL</b>			
Heat Deflection Temperature @ 1.82 MPa, 0.125" bar Unannealed/Conditioned 48 hours @ 23° C (73° F)	D-648	°F °C	203 95
Vicat Softening Point 10N, 120°C/hr	D-1525	°F °C	257 125

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