

**ABS**

**APPLICATIONS**

An ideal material for conceptual modeling, functional prototyping and exhibit parts. This results in more aesthetic prototypes with a high quality parts for displays.

Properties	Test Method	SI Unity	Value
<b>Thermal Properties</b>			
Heat Deflection Temperature @66 psi	ASTM D648	°C	90
Heat Deflection Temperature @264 psi	ASTM D648	°C	76
Glass Transition Temperature (Tg)	DMA (SSYS)	°C	104
Vicat Softening	ASTM D1525	°C	112
Flame Classification	UL 94	HB	
<b>Mechanical Properties</b>			
Tensile Strength, Type 1, 0.125	ASTM D638	Mpa	22
Tensile Modulus, Type 1, 0.125	ASTM D638	Mpa	1,627
Tensile Elongation, Type 1, 0.125	ASTM D638	%	6
Flexural Strength	ASTM D790	Mpa	41
Flexural Modulus	ASTM D790	Mpa	1,834
IZOD Impact Strength Unnotched	ASTM D256	KJ/m	0,214
IZOD Impact Strength Notched	ASTM D256	KJ/m	0,107
Rockwell Hardness	ASTM D785	R105	
<b>Electrical Properties</b>			
Dielectric Strenght	IEC 60112	KV/mm	32
Dielectric Constant @60Mhz	IEC 60250		2,4
<b>Other</b>			
Specific Gravity	ASTM D792		1,05