CALSAK CORPORATION

Polylac® ABS Resin -High Heat Grade **PA-777E**

Product Information

Product Characteristics

- Super Heat Resistant
- High Rigidity
- Medium Impact

Properties	Test Method	Unit	Typical Values
Physical Properties[1]			
Melt Flow Rate (200˚C @ 5.0 Kg)	ASTM D 1238	g/10 min	
(220˚C @ 10.0 Kg)	ISO 1133	g/10 min	4
Vicat Softening Point	ASTM D 1525	˚F	264
Specific Gravity	ASTM D 792	-	1.07
Mold Shrinkage	ASTM D 955	in/in	.005-.008
Rockwell Hardness	ASTM D 785	R-Scale	R-115
Mechanical Properties[1]			
Tensile Strength at Yield, Type I, 1/8"	ASTM D 638	psi	6,380
Tensile Elongation At Break	ASTM D 638	%	10
Flexural Modulus, Type I, 1/8"	ASTM D 790	psi	320,000
Flexural Strength, Type I, 1/8"	ASTM D 790	psi	9,900
Notched Izod 1/8" @ 73˚F	ASTM D 256	ft-lbs/in	2.2
1/4" @ 73˚F	ASTM D 256	ft-lbs/in	2
Thermal Properties[1]			
Heat Distortion Temperature @ 264 psi 1/8"			
Annealed	ASTM D 648	˚F	249
Unannealed	ASTM D 648	˚F	228
Flammability	UL 94	1.6mm	HB

[1] Typical Properties; not to be construed as specifications. The data is intended as a general guideline only and does not necssarily represent the results that may be obtained otherwise.

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