CALSAK CORPORATION

Polyrex® Polystyrene Resin - High Impact **PH-60**

Product Information

Product Characteristics

- High Rigidity
- Injection Molding
- High Impact

Properties	Test Method	Unit	Typical Values
Physical Properties[1]			
Melt Flow Rate (200˚C @ 5.0 Kg)	ASTM D 1238	g/10 min	5.5
(230˚C @ 3.8 Kg)	ASTM D 1238	g/10 min	16
Specific Gravity	ASTM D 792	-	1.05
Rockwell Hardness	ASTM D 785	M-Scale	M-75
Mechanical Properties[1]			
Tensile Strength at Yield, Type I, 1/8"	ASTM D 638	psi	4,120
Tensile Elongation At Break	ASTM D 638	%	40
Flexural Modulus, Type I, 1/8"	ASTM D 790	psi	310,000
Flexural Strength, Type I, 1/8"	ASTM D 790	psi	6,110
Notched Izod 1/8" @ 73˚F	ASTM D 256	ft-lbs/in	1.56
1/4" @ 73˚F	ASTM D 256	ft-lbs/in	1.38
Thermal Properties[1]			
Vicat Softening Point	ASTM D 1525	˚F	212
Heat Distortion Temperature @ 264 psi 1/8"			
Annealed	ASTM D 648	˚F	205
Unannealed	ASTM D 648	˚F	178
Flammability	UL 94	-	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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