

Thermal Properties of “Soarnol™”

Thermal Properties of “Soarnol™” is shown in the following.

Item	Unit	Soarnol			
		29mol%	32mol%	38mol%	44mol%
Melting Temp.	(°C)	188	183	173	164
Specific heat at 30deg C	(Cal/g.deg C)	0.35	0.37	0.40	0.41
Specific heat at 100deg C	(Cal/g.deg C)	0.55	0.58	0.65	0.67
Specific heat at 230deg C	(Cal/g.deg C)	0.65	0.73	0.85	0.88
Density at 20deg C	(g/cm ³)	1.21	1.19	1.17	1.14
Melt density at 220deg C	(g/cm ³)	1.09	1.07	1.04	1.00
Thermal conductivity at 59deg C	(Cal/sec.cm.deg C)	7.9x10 ⁻⁴	7.4x10 ⁻⁴	7.1x10 ⁻⁴	7.1x10 ⁻⁴
Thermal conductivity at 142deg C	(Cal/sec.cm.deg C)	6.7x10 ⁻⁴	6.5x10 ⁻⁴	6.4x10 ⁻⁴	6.3x10 ⁻⁴