

Overview of High Temperature and High-tech Materials

	Operation Temperature		Compressive Strength	Flexural Strength	Thermal Conductivity	Linear Coefficient of Expansion	Dielectric Strength	Tracking Resistance	Arc-Resistance
	(°C)		(N/mm ²)	(N/mm ²)	(W/mK)	(10 ⁻⁶ I/K)	(KV/3mm)		VDE0303-71 (Seconds)
	long-term	short-term	at 23°C	at 23°C					
DOTHERM[®] 700	700	700	120	32	0,37	6	8,7	-	> 370
DOTHERM[®] 950	950	950	17	-	0,12	7	-	-	-
DOTHERM[®] 1000	1000	1000	31	16	0,37	6,4	14,1	CTI 600	> 420
DOTHERM[®] 1100	1100	1100	16	7	0,1	7	-	-	-
DOTHERM[®] 1200	1200	1200	5	-	0,08	-	-	-	-
DOTHERM[®] 600 M	600	600	400	230	0,26	10	75	CTI 500	> 420
DOTHERM[®] 800 M	800	800	330	170	0,26	10	75	CTI 525	> 420
DOTEC[®] 200	200	220	330	110	0,24	13	-	-	-
DOTEC[®] 280	280	300	150	30	0,28	20	-	-	-
DOTEC[®] 350	300	350	40	20	0,12	40	-	-	-
DOTEC[®] 500 M	500	500	250	108	0,75	10	60	CTI 600	-
DOTEC[®] 1000 S	1000	1000	70	40	0,7	5,6	8,4	-	> 600
DOFLEX[®] 750	700	750	-	-	-	-	-	-	-
DOFLEX[®] MSP	1200	1200	-	-	0,2	-	60	-	-
DOFLEX[®] CM 30	1200	1200	-	-	0,05	-	18	-	-

The standard values shown in this data sheet are measured by standard test methods. In reliance on operation terms and dimensions the material properties can differ from these values. Please contact our applications and sales engineers to clarify the suitability of our materials for your application. Further technical information can be given with our specific material data sheets.

Issue October 2007.