

 ZYST Material DATA SHEET Changzhou Zhongying Science&Technology CO.,Ltd															
Product	Product Structure	DK Permittivity DK @ 10 GHz	Df Loss Tangent Df @ 10 GHz	DK Tc DK ppm/°C	Thermal Conductivity W/(m.K)	Volume Resistance MΩ.cm	Surface Resistance MΩ.cm	Water Absorption(%)	CTE(0-100°C) (ppm/°C)			Peel Strength (N/mm)	Density g/cm³	Flammability UL 94	PIM dBc
									X	Y	Z				
PTFE Type Materail : Ultra DK ZYF-D Product															
ZYF220DB	PTFE resin, Woven glass	2.14±0.02	0.0007	-160	0.26	1.2 x 10 ⁹	2.9x 10 ⁸	0.02	22	33	255	2.45	2.23	UL94-V0	-162
ZYF220D	PTFE resin, Woven glass	2.20±0.02	0.0009	-160	0.26	1.2 x 10 ⁹	2.9x 10 ⁸	0.02	22	23	233	2.45	2.23	UL94-V0	-162
ZYF250D	PTFE resin, Woven glass	2.50±0.04	0.0017	-115	0.25	1.3x 10 ⁹	4.5x 10 ⁸	0.03	13	18	125	2.45	2.41	UL94-V0	-163
ZYF255DA	PTFE resin, Woven glass	2.55±0.04	0.0018	-115	0.25	1.3x 10 ⁹	4.5x 10 ⁸	0.03	13	18	125	2.45	2.41	UL94-V0	-163
ZYF260D	PTFE resin, Woven glass	2.60±0.04	0.0018	-110	0.25	1.3x 10 ⁹	4.5x 10 ⁸	0.05	12	14	80	2.45	2.41	UL94-V0	-163
ZYF265D	PTFE resin, Woven glass	2.65±0.04	0.0019	-110	0.25	1.3x 10 ⁹	4.5x 10 ⁸	0.05	12	14	80	2.45	2.41	UL94-V0	-163
PTFE Type Materail : Low DK ZYF-CA Product															
ZYF300CA-C	PTFE resin, Woven glass, Ceramic filler	2.94±0.05	0.0016	-110	0.40	8.9x 10 ⁸	4.8x 10 ⁸	0.05	12	13	120	2.45	2.27	UL94-V0	-162
ZYF300CA-P	PTFE resin, Woven glass, Ceramic filler	3.0±0.05	0.0018	-110	0.40	8.9x 10 ⁸	4.8x 10 ⁸	0.05	12	13	120	2.45	2.27	UL94-V0	-162
ZYF300CA-L	PTFE resin, Woven glass, Ceramic filler	3.0±0.05	0.0019	-110	0.42	1.2x 10 ⁸	4.1x 10 ⁸	0.05	15	16	110	2.45	2.27	UL94-V0	-158
ZYF320CA	PTFE resin, Woven glass, Ceramic filler	3.2±0.05	0.0030	-125	0.45	8.2x 10 ⁷	4.3x 10 ⁷	0.06	14	14	126	2.45	2.30	UL94-V0	-162
ZYF330CA	PTFE resin, Woven glass, Ceramic filler	3.3±0.05	0.0032	-100	0.45	8.0x 10 ⁷	4.1x 10 ⁷	0.06	13	13	110	2.45	2.30	UL94-V0	-160
ZYF340CA	PTFE resin, Woven glass, Ceramic filler	3.4±0.05	0.0033	-100	0.45	7.8x 10 ⁷	3.9x 10 ⁷	0.06	13	13	105	2.45	2.31	UL94-V0	-160
ZYF350CA	PTFE resin, Woven glass, Ceramic filler	3.5±0.05	0.0031	-65	0.45	1.2x 10 ⁹	4.5x 10 ⁷	0.06	20	20	85	2.45	2.35	UL94-V0	-160
ZYF350CA-T	PTFE resin, Woven glass, Ceramic filler	3.5±0.05	0.002	-30	1.0	8.7x 10 ⁸	4.6x 10 ⁷	0.06	12	13	46	0.8	2.36	UL94-V0	/
ZYF430CA	PTFE resin, Woven glass, Ceramic filler	4.3±0.05	0.0034	-80	0.45	8.2x 10 ⁸	3.1x 10 ⁷	0.06	9	9	39	1.35	2.40	UL94-V0	-162
Hydrocarbon Type Material : ZYC8000 Product															
ZYC8255	Hydrocarbon resin, Woven glass, Ceramic filler	2.55±0.05	0.0024	35	0.39	1.2x 10 ⁸	5.0x 10 ⁸	0.08	13	18	35	0.87	1.30	UL94-V0	-160
ZYC8300	Hydrocarbon resin, Woven glass, Ceramic filler	3.0±0.05	0.0026	30	0.45	1.9x 10 ⁹	5.1x 10 ⁸	0.08	12	14	47	0.87	1.82	UL94-V0	-160
ZYC8320	Hydrocarbon resin, Woven glass, Ceramic filler	3.2±0.05	0.0027	40	0.48	1.7x 10 ⁹	4.5x 10 ⁸	0.08	13	14	45	0.87	1.83	UL94-V0	-158
ZYC8330	Hydrocarbon resin, Woven glass, Ceramic filler	3.3±0.05	0.0028	40	0.5	1.6x 10 ⁹	4.7x 10 ⁸	0.08	12	14	46	0.87	1.84	UL94-V0	-158
ZYC8340	Hydrocarbon resin, Woven glass, Ceramic filler	3.4±0.05	0.0030	50	0.51	1.6x 10 ⁹	4.7x 10 ⁸	0.08	12	15	45	0.87	1.86	UL94-V0	-162
ZYC8350	Hydrocarbon resin, Woven glass, Ceramic filler	3.5±0.05	0.0032	50	0.51	1.6x 10 ⁹	4.2x 10 ⁸	0.08	16	17	50	0.87	1.88	UL94-V0	-157
ZYC8350-TL	Hydrocarbon resin, Woven glass, Ceramic filler	3.5±0.05	0.0031	50	0.69	1.8x 10 ⁹	5.7x 10 ⁸	0.10	10	12	45	0.87	1.85	UL94-V0	/
ZYC8350-T	Hydrocarbon resin, Woven glass, Ceramic filler	3.5.±0.05	0.0022	50	0.8	1.6x 10 ⁹	4.2x 10 ⁸	0.10	10	12	50	0.87	1.85	UL94-V0	/
ZYC8350-TH	Hydrocarbon resin, Woven glass, Ceramic filler	3.5±0.05	0.0028	50	0.85	1.6x 10 ⁹	4.2x 10 ⁸	0.10	10	12	48	0.87	1.85	UL94-V0	/
Hydrocarbon Type Prepreg															
ZYC8300P	Hydrocarbon resin, Woven glass, Ceramic filler	3.0±0.05	0.0026	50	0.45	8.4x 10 ⁹	1.3x 10 ⁸	0.10	12	14	47	0.87	1.82	UL94-V0	/
ZYC8350P	Hydrocarbon resin, Woven glass, Ceramic filler	3.5±0.05	0.0032	50	0.51	1.6x 10 ⁹	4.2x 10 ⁸	0.10	15	16	50	0.87	1.88	UL94-V0	/