

PHYSICAL AND MECHANICAL PROPERTIES (Metric)

Values are based on material 0.76 x 12.7 mm and will vary from those for other thickness to width variations.

Truflex Type	Specific curvature 10 ⁻⁶ (temp range: 10°C to 93°C)	Maximum sensitivity temperature °C	Useful deflection temperature range °C	Recommended maximum temp °C	Modulus of elasticity Gpa	Resistivity @ 24°C μ ohms-m	Density g/cm ³	ASTM type
A1	27.00	-20 to 150	-70 to 180	180	124	0.123	8.30	--
B1	27.00	-20 to 150	-70 to 370	540	172	0.789	8.17	TM1
B1	25.40	70 to 230	-70 to 540	540	172	0.751	8.17	--
B2	23.90	-40 to 290	-70 to 540	540	172	0.731	8.17	TM6
B3	21.25	90 to 320	-70 to 540	540	172	0.690	8.18	TM30
B100R	19.10	-20 to 150	-70 to 370	540	179	0.166	8.53	TM9
B125R	22.30	-20 to 150	-70 to 370	540	186	0.208	8.44	TM10
B150R	24.10	-20 to 150	-70 to 370	540	183	0.249	8.38	TM11
B175R	24.80	-20 to 150	-70 to 370	540	179	0.291	8.33	TM12
B200R	25.40	-20 to 150	-70 to 370	540	179	0.332	8.30	TM13
B250R	26.50	-20 to 150	-70 to 370	540	176	0.416	8.25	TM14
B300R	26.80	-20 to 150	-70 to 370	540	176	0.499	8.22	TM15
B350R	26.80	-20 to 150	-70 to 370	540	172	0.582	8.17	TM16
B400R	27.00	-20 to 150	-70 to 370	540	172	0.665	8.17	TM14
B100R30	16.20	93 to 288	-73 to 538	540	183	0.166	8.5	--
BP1*	33.30	-20 to 150	-70 to 260	430	138	1.080	7.70	--
BP10	26.10	-20 to 150	-70 to 260	430	134	1.122	7.6	--
BP560R*	26.60	-20 to 150	-70 to 260	427	148	0.931	7.89	--
C1	27.40	-20 to 150	-70 to 350	540	172	0.803	8.17	TM35
C11*	25.40	66 to 232	-73 to 482	540	172	0.758	8.17	TM19
C3	21.10	90 to 320	-70 to 430	540	172	0.698	8.18	TM18
E1*	23.90	-20 to 150	-70 to 370	540	172	0.831	8.16	TM36
E3	18.50	90 to 320	-70 to 540	540	172	0.731	8.17	TM3
E4	15.50	120 to 370	-70 to 540	540	172	0.665	8.18	TM4
E5	11.50	150 to 430	-70 to 540	540	176	0.582	8.22	TM5
E70R20	21.00	38 to 288	-72 to 371	371	159	0.116	8.25	--
F20R	23.60	-20 to 150	-70 to 260	370	138	0.033	8.57	TM24
F25R	24.30	-20 to 150	-70 to 260	370	152	0.042	8.51	--
F30R	25.20	-20 to 150	-70 to 260	370	161	0.050	8.43	TM25
F35R	25.70	-20 to 150	-70 to 260	370	164	0.058	8.38	--
F40R	25.90	-20 to 150	-70 to 260	370	165	0.066	8.37	--
F50R	26.50	-20 to 150	-70 to 260	370	165	0.083	8.32	TM26

* FLEXIVITY TEST TEMPERATURE RANGE 38°C TO 150°C

**FLEXIVITY TEST TEMPERATURE RANGE 20°C TO 130°C

Truflex Type	Specific curvature 10 ⁻⁶ (temp range: 10°C to 93°C)	Maximum sensitivity temperature °C	Useful deflection temperature range °C	Recommended maximum temp °C	Modulus of elasticity Gpa	Resistivity @ 24°C μ ohms-m	Density g/cm ³	ASTM type
F60R	26.10	-20 to 150	-70 to 260	370	175	0.100	8.3	--
F70R	26.50	-20 to 150	-70 to 260	370	169	0.116	8.27	TM27
F90R	26.60	-20 to 150	-70 to 260	370	172	0.150	8.24	TM28
F100R	26.80	-20 to 150	-70 to 260	370	172	0.166	8.23	--
F125R	26.60	-20 to 150	-70 to 260	370	172	0.208	8.22	--
F55R20	23.40	38 to 288	-70 to 370	370	152	0.090	8.53	--
G7	10.94	-200 to 430	-70 to 540	540	190	0.731	7.75	
GB2	23.00	40 to 290	-70 to 540	540	179	0.740	8.17	--
GB5	13.50	150 to 430	-70 to 540	540	179	0.568	8.19	--
GB14	18.00	-20 to 150	-70 to 540	540	179	0.849	8.12	--
J1	24.14	-20 to 150	-70 to 260	330	131	0.183	8.58	
J7	10.00	-20 to 260	-70 to 260	540	152	0.176	8.3	
LA1	28.40	-20 to 150	-70 to 370	540	172	0.789	8.07	TM29
LA20R10*	25.20	-20 to 150	-70 to 260	370	131	0.033	8.55	--
LA35R10	27.00	-20 to 150	-70 to 260	370	145	0.058	8.34	--
LA50R10*	27.20	-20 to 150	-70 to 260	370	155	0.083	8.25	--
LA70R10*	27.50	-20 to 150	-70 to 260	370	158	0.116	8.22	--
LA90R10	28.60	-20 to 150	-70 to 260	370	159	0.150	8.19	--
LA100R10**	28.30	-20 to 150	-70 to 260	370	159	0.170	8.14	--
LA115R10**	28.60	-20 to 150	-70 to 260	370	162	0.191	8.14	--
LA125R10*	25.20	-20 to 150	-70 to 260	260	159	0.208	8.19	--
LA125R*	25.20	-20 to 150	-70 to 370	540	179	0.208	8.36	--
LA150R**	26.10	-20 to 150	-70 to 370	540	176	0.249	8.28	--
LA180R**	26.30	-20 to 150	-70 to 370	540	172	0.299	8.22	--
LA210R*	27.50	-20 to 150	-70 to 370	540	172	0.349	8.19	--
LA300R*	28.10	-20 to 150	-70 to 370	540	169	0.499	8.14	--
LA330R**	29.10	-20 to 150	-70 to 370	540	169	0.548	8.11	--
LA35R11	25.00	66 to 232	-73 to 340	370	159	0.060	8.34	--
LA55R20	25.00	38 to 288	-70 to 370	370	152	0.090	8.22	--
LA3**	22.50	95 to 315	-70 to 430	540	165	0.693	8.07	--
LA55R30	21.60	93 to 288	-70 to 370	370	152	0.090	8.25	--
M7	7.17	-20 to 800	-70 to 540	540	190	0.723	8.03	--
N1	18.29	-20 to 150	-70 to 260	430	1.79	0.158	8.58	TM22
P30R	34.00	-20 to 200	-70 to 260	370	131	0.050	8.19	TM31
P35R	36.00	-20 to 200	-70 to 260	370	131	0.058	8.05	--

* FLEXIVITY TEST TEMPERATURE RANGE 38°C TO 150°C

**FLEXIVITY TEST TEMPERATURE RANGE 20°C TO 130°C

Truflex Type	Specific curvature 10^{-6} (temp range: 10°C to 93°C)	Maximum sensitivity temperature °C	Useful deflection temperature range °C	Recommended maximum temp °C	Modulus of elasticity Gpa	Resistivity @ 24°C μ ohms-m	Density g/cm ³	ASTM type
P50R	37.40	-20 to 200	-70 to 260	370	131	0.083	7.91	TM33
P70R	38.50	-20 to 200	-70 to 260	370	131	0.116	7.83	TM34
P90R*	36.70	-20 to 200	-70 to 260	370	131	0.150	7.78	--
P100R	38.90	-20 to 200	-70 to 260	370	131	0.166	7.81	--
P125R*	37.60	-20 to 200	-70 to 260	370	131	0.208	7.75	--
P150R	38.90	-20 to 200	-70 to 260	430	131	0.249	7.73	TM32
P175R*	37.60	-20 to 200	-70 to 260	260	131	0.291	7.70	--
P250R*	37.60	-20 to 200	-70 to 260	260	131	0.416	7.72	--
P300R	37.40	-20 to 200	-70 to 260	430	138	0.499	7.66	--
P350R	38.30	-20 to 200	-70 to 260	430	138	0.582	7.65	--
P500R	36.40	-20 to 200	-70 to 260	430	145	0.831	7.77	--
P675R	39.10	-20 to 200	-70 to 260	430	131	1.122	7.61	TM2
P850R	28.10	-20 to 200	-70 to 260	430	134	1.413	7.38	TM8
P30RC	33.80	-20 to 200	-70 to 260	370	131	0.050	8.17	--
P3	32.80	90 to 320	-70 to 320	430	131	0.939	7.64	TM23
PJ	13.58	-20 to 320	-70 to 360	330	117	0.199	8.3	
S363	20.70	-20 to 150	-70 to 370	540	172	0.789	8.08	--
SB175R	22.50	-20 to 150	75 to 370	540	179	0.291	8.06	--
SB250R	25.90	-20 to 150	-70 to 370	540	176	0.416	8.1	--
SB300R	26.30	-20 to 150	-70 to 370	540	172	0.499	8.12	--
1513	3.77	+260 to 430	-70 to 540	540	159	0.656	8.03	

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**FLEXIVITY TEST TEMPERATURE RANGE 20°C TO 130°C

