

TIVAR® ECO black antistatic (19)	TIVAR® DrySlide	TIVAR® TECH	TIVAR® DS	TIVAR® Ceram P	TIVAR® H.O.T	TIVAR® CleanStat	TIVAR® SuperPlus	TIVAR® Oil Filled
black	black	grey-black	yellow/grey	yellow-green	bright-white	black	grey	grey
≥ 4.5	9	9	9	9	9	5	9	9
0.94	0.935	0.935	0.93	0.96	0.93	0.94	0.96	0.93
0.02	0.02	0.03	0.01	0.02	0.01	0.03	0.02	0.01
135	135	135	135	135	135	135	135	135
0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
200 x 10 ⁻⁶	200 x 10 ⁻⁶	200 x 10 ⁻⁶	200 x 10 ⁻⁶	200 x 10 ⁻⁶	200 x 10 ⁻⁶	200 x 10 ⁻⁶	180 x 10 ⁻⁶	200 x 10 ⁻⁶
42	42	42	42	42	42	42	42	42
80	80	80	80	80	80	80	80	80
120	120	120	120	120	135	120	120	120
80	80	80	80	80	110	80	80	80
-150	-150	-150	-200 (7)	-150	-200 (7)	-150	-150	-150
< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
HB	HB	HB	HB	HB	HB	HB	HB	HB
20	18	19	19	18	19	19	17	16
15	20	15	15	15	15	15	20	40
> 50	> 50	> 50	> 50	> 50	> 50	> 50	> 50	> 50
775	650	725	700	750	700	750	600	375
7/11/17.5	6/10/16	6.5/10.5/17	6/10/16	7/11/17.5	6/10/16	6.5/10.5/17	5/8.5/14.5	4/6/10.5
18	16	17	16	17	16	17	14.5	11
no break	no break	no break	no break	no break	no break	no break	no break	no break
90P	100P	105P	100P	105P	100P	110P	90P	80P
100	130	120	130	125	130	120	115	140
34	32	32	31	33	31	33	31	24
60	59	59	58	60	58	60	58	54
200	85	85	85	75	80	85	80	95
-	-	45	45	45	45	-	-	-
-	-	> 10 ¹⁴	> 10 ¹⁴	> 10 ¹⁴	> 10 ¹⁴	-	> 10 ¹⁴	> 10 ¹⁴
< 10 ⁸	< 10 ⁸	> 10 ¹²	> 10 ¹²	> 10 ¹²	> 10 ¹²	< 10 ⁷	> 10 ¹²	> 10 ¹²
-	-	-	2.1	-	-	-	-	-
-	-	-	3.0	-	-	-	-	-
-	-	-	0.0004	-	-	-	-	-
-	-	-	0.0010	-	-	-	-	-
-	-	-	600	-	-	-	-	-

- (11) Test speed: 50 mm/min
(12) Test speed: 1 mm/min
(13) Test specimens: cylinders ø 8 x 16 mm
(14) Test specimens: bars 4 [thickness] x 10 x 80 mm; test speed: 2 mm/min; span: 64 mm.
(15) Pendulum used: 15 J
(16) Pendulum used: 25 J
(17) Measured on 10 mm thick test specimens.
(18) Electrode configuration: ø 25 / ø 75 mm coaxial cylinders; in transformer oil according to IEC 60296; 1 mm thick test specimens. Please note that the electric strength of TIVAR 1000 black material can be considerably lower than the figure listed in the table which refers to natural material.
(19) Taking into consideration the varying composition of these grades which are partially composed of reprocessed UHMW-PE material, their physical properties can differ more from batch to batch than those of the other UHMW-PE grades.

This table, mainly to be used for the comparison purposes, is a valuable help in the choice of a material. The data listed here fall within the normal range of product properties. **However, they are not guaranteed and they should not be used to establish material specification limits nor used alone as the basis of design.**

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