



**PERFORMANCE PTFE**

**TECHNICAL DATA SHEET**

PRODUCT		25% glass		40% glass	15% graphite	40% bronze	60% bronze		30% bronze 10% carbon fiber	50% stainless steel powder	20% glass 5% graphite	15% glass 5% moly	23% glass 2% moly		55% bronze 5% moly		25% carbon / graphite		32% carbon / graphite		25% EG carbon		15% carbon/ graphite	
Properties *	Unit	NFF	FF	FF	NFF	NFF	NFF	FF	NFF	FF	FF	FF	NFF	FF	NFF	FF	NFF	FF	NFF	FF	NFF	FF	NFF	FF
Grade		3105	3405	3408	3123	3144	3146	3446	3147	3461	3471	3470	3176	3476	3182	3482	3191	3491	3192	3492	3196	3496	3493	
Specific Gravity	g/cm <sup>3</sup>	2.22	2.22	2.27	2.16	3.10	3.90	3.90	2.60	3.35	2.20	2.25	2.22	2.22	3.83	3.83	2.08	2.08	2.05	2.05	2.08	2.08	2.08	2.08
Hardness, Shore D		64-65	65	64	60-62	68	67-69	67	68	66	64		67	67	66-72	66-72	68	68	68	69	63	63	66-68	
Tensile Strength, CD	MPa	17	13.5	9.0	18	30.1	23	15.2	20.7	16.5		15.2	15.4	14.3	15.6	15-20	17.6	12	13	14.5	13.8	12.6		
Elongation, CD	%	212	155	169	227	343	322	140	299	239		181	241	222	242	90	238	110	117	50	205	179		
Bulk Density	g/l	505	740	700	360	720	920	1400	650	1000	720	700		720	900	1300	490	680		620	380	680	675	
Average Particle Size D-50	micros	up to 500	600- 1000	up to 600	60		50	1000		up to 600	500	up to 600		500		400- 700	40	600- 1000		800- 1200	40	800- 1200	1000	
Compression Ratio		3.15	3		5.8		4.2	2.8			3.0			3.0			4.2	3.1	5.0	3.3	5.5	3.0	3.1	
Shrinkage	%	1.9	1.9	1.6	2.3	2.5	2.1		1.1	2.2		2.2	2.1		1.6-2.0	1.3	3.0	2.8	3.0	2.6				
Recommended Preform Pressure (at ambient temp)	N/mm <sup>2</sup>	30-55	35-70	35-70	30-60	25-55	25-55	35-55	30-55	30-55	35-70	30-55	30-55	35-70	35-55	35-55	40-70	60-90	50-70	60-100	40-70	50-80	40-60	

\* Statistical average values

Note:

The suggestions and data are based on information we believe to be accurate and reliable. They are given in good faith, but without guarantee, as the conditions and methods are beyond our control. Each user should make his own tests to determine the suitability of our materials and suggestions before adopting them on a commercial scale. This publication is not to be taken as a license to operate under, or recommendation to infringe upon any patents.

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