

Plastoseal® Material

Material	Designation	Colour	Hardness	Hardness	Temp. °C	Temp. °C	Temp. °C	Temp. °C	Pressure	Sliding speed	FDA/
Groups		Standard	Shore A ± 2	Shore D ± 3	min.	max.	water/ steam	short hot air	max. bar *	max. m/ sec. *	KTW
POLYURETHANES	H-PU (U2)	red	95 ±2	48 ±3	-20	+115			400	0,5 - 5	FDA
	H-PU (U2) 55D	yellow		55 ±3	-20	+115			400	0,5 - 5	
	PU93	green	94 ±2	47 ±3	-30	+110			400	0,5 - 5	
	C-HPU	red	96 ±2	50 ±3	-37	+110			400	0,5 - 5	FDA
	C-HPU KTW	nature	96 ±2	48 ±3	-37	+110			400	0,5 - 5	FDA/KTW
	C-HPU 57D	yellow		57 ±3	-30	+110			400	0,5 - 10	
	C-HPU 72D	black		70 ±3	-20	+110			400	0,5 - 10	
	LT-PU+	blue	96 ±2	50 ±3	-55	+110			400	0,5 - 5	
	SL-PU	darkgrey	96 ±2	48 ±3	-37	+110			400	0,7 - 6	
H-PU Special	H-PU93A Mokka-MDI	turquoise	93 ±2	47 ±2	-30	+130			400	0,5 - 5	
	H-PU57DG Mokka-MDI	darkgrey		57 ±3	-30	+130			400	0,5 - 7	
	HT-PU	orange	96 ±2	50 ±3	-35	+135			400	0,5 - 5	
ELASTOMERE (Rubbers)	NBR	black	85 ±5		-30	+110			160	0,5 - 10	
	NBR 73	black	75 ±5		-30	+90			120	0,5 - 10	
	NBR white	white	85 ±5		-30	+110			160	0,5 - 10	
	H-NBR	green	85 ±5		-20	+150	+120	+180	160	0,5 - 10	
	H-NBR 90A	black	90 ±5		-20	+150	+120	+180	200	0,5 - 10	
	H-NBR ED	black	87 ±5		-15	+150	+110	+180	160	0,5 - 10	
	T-NBR	black	80 ±5		-50	+110			160	0,5 - 10	
	EPDM peroxyd	black	85 ±5		-45	+130	+130	+180	160	0,5 - 10	
	EPDM white FDA	white	82 ±5		-45	+130	+130	+150	160	0,5 - 10	FDA
	EPDM KTW/FDA	black	81 ±5		-40	+130	+130	+150	160	0,5 - 10	FDA/KTW
	SILICON - MVQ	blue	85 ±5		-60	+200		+300	160	0,5 - 5	
	SILICON nature FDA - MVQ	translucent	85 ±5		-60	+200	+110	+300	160	0,5 - 5	FDA
	SILIKON white FDA - MVQ	white	85 ±5		-60	+200	+110	+300	160	0,5 - 5	FDA
	FPM (VITON®)	brown	82 ±5		-20	+220		+300	160	0,5 - 15	
	FPM black (VITON®)	black	85 ±5		-20	+210		+280	160	0,5 - 20	
	FPM FDA (VITON®)	brown	80 ±5		-20	+220		+300	160	0,5 - 20	FDA
	FPM ED (VITON®)	black	85 ±5		-20	+220		+300	160	0,5 - 20	
	TFE/P (AFLAS®)	black	85 ±5		-5	+200	+170	+230	160	0,5 - 10	
AFLAS® 90A	black	90 ±5		-5	+200	+170	+230	160	0,5 - 10		

Plastoseal® Material

Material	Designation	Colour	Hardness	Hardness	Temp. °C	Temp. °C	Temp. °C	Temp. °C	Pressure	Sliding speed	FDA/
Groups		Standard	Shore A ± 2	Shore D ± 3	min.	max.	water/ steam	short hot air	max. bar *	max. m/ sec. *	KTW
PTFE Compounds	PTFE virgin	100% Polytetrafluorethylen	white	55 ±3	-200	+260			160	0,4 - 4	FDA
	PTFE 1	+ 15% Glas/ 5% MoS2	grey	58 ±3	-200	+260			400	0,4 - 4	
	PTFE 2	+ 40% Bronze	brown	60 ±3	-200	+260			400	0,4 - 4	
	PTFE D05	+ 1% Pigmente	turquoise	57 ±3	-200	+260			200	0,4 - 4	
	PTFE D05 GF	+ 1% Pigmente / 15% Glas	turquoise	60 ±3	-200	+260			400	0,4 - 4	
	PTFE D08 GF	glas + Pigmente	orange	62 ±3	-200	+260			200	0,4 - 4	
	PTFE D46	+ 46% Bronze / Pigmente	bronze blue	63 ±3	-200	+260			400	0,4 - 4	
	PTFE Carbon	+ 25% Carbon	black	67 ±3	-200	+260			350	0,4 - 4	
	PTFE E-CARBON	+ Carbon / Additive	black	60 ±3	-200	+260			400	0,4 - 4	
	PTFE GRAPHITE	+ 15% Graphite	darkgrey	60 ±3	-200	+260			300	0,4 - 4	
	PTFE EKONOL®	+ 10% Ekonol	cream	56 ±3	-200	+260			300	0,4 - 4	
	PTFE 25% GF	+ 25% Glasfiber	grey/white	60 ±3	-200	+260			400	0,4 - 4	FDA
	PTFE TFM FDA		white	57 ±3	-200	+260			300	0,4 - 4	FDA
	PTFE cond. FDA	1% conductive additiv	black	57 ±3	-200	+260			300	0,4 - 4	FDA
	PTFE PEEK	+10% Peek	cream	60 ±3	-200	+260			400	0,4 - 4	FDA
PLASTOMERE - STANDARD	POM		white/black	82 ±3	-45	+100			400	0,4 - 4	FDA
	PA		nature	77 ±3	-40	+110			400	0,4 - 4	
	PE3 (HD)		nature	63 ±3	-50	+80			350	0,4 - 4	
	UHMW-PE (PE10)		nature / green	61 ±3	-200	+80			300	0,4 - 4	FDA
PLASTOMERE - Thermoplaste SPECIAL	PA6.6 - PA12 - PVC - PP - PPE - PVDF - PCTFE - PEI - PI - PEEK - PET - PSU - PAI - PC - PMMA - etc. order as necessary Datasheets										
HGW Composites	Based - PHENOLIC										
	Based - GLAS FIBER										
	Based - GLAS FABRIC										
	Based - CARBON FIBER										
METALS	ALU - ALF37										
	ROTGUSS - RG7										
	MESSING - Ms58										
	SINTERBRONCE										
	NIRO - 1.4301/1.4571										

Special point in the POLYURETHANE sector - Special RUBBER MATERIALS – Special mixtures in the PTFE sector - Special materials in the PLASTOMERS//THERMOPLASTS sector on REQUEST.

The specified values are test results of test bodies and cannot be transferred to finished products (seals, turning or milling components). PLASTOSEAL is not liable for products manufactured from these materials.

* depends on application and geometry