Polyurethane	Colour	Oper. temperature	Hardness	Comments	Approvals *
PU70/80	various	-40 to +70	A80	Fibro quality, rough surfaces	
HPU79 petrol	petrol	-25 to +100	A79	Highest quality, soft HPU	
HPU85	pastel green	-30 to +95	A86	Highest quality, soft HPU	
HPU88	green	-30 to +115	A88	Soft turning quality	
PU90	red	-40 to +70	A80	Fibrous quality, rough surfaces!	
HPU94	red	-30 to +125	A94	Standard HPU, food grade	1,2,3,4
HPU94	green	-30 to +105	A94	Highest value HPU	
HPU94	yellow	-30 to +105	A94	Highest quality HPU	
HPU94	dark blue	-30 to +105	A94	Highest quality HPU	
HPU94	light blue	-30 to +125	A94	Highest quality HPU	1,2,3
HPU94	turquoise	-30 to +105	A94	Highest quality HPU	
HPU94_PPDI	sand	-30 to +135 (150)	A94	PPDI - the best HPU	
HPU94_FDA	natural	-30 bis +105	A94	Food-grade HPU	1,2,3,4
HPU94_FDA	white	-30 to +110	A93	Food-grade HPU	1,2,3,4
HPU95_KTW	transparent	-30 to +105	A95	Drinking water compliant HPU	5,6
HPU95_GM	dark red	-30 to +125	A95	Lubricant-filled HPU	
HPU94_GM	grey	-30 to +105	A94	Lubricant-filled HPU	
HPU95_HT	orange	-30 to +135	A95	Heat-resistant HPU	7
HPU96_HT	natural	-35 to +135 (150)	A96	Heat-stable HPU	
HPU95_TT	light blue	-55 to +105	A95	Low temperature HPU	1,2,3
HPU94_TT	deep blue	-55 to +115	A94	Low temperature HPU	
HPU95_CIP*	violet	-30 to +115	A95	Particularly resistant to chemicals	1,2,3
HPUD55	yellow	-20 to +115	D55	Hard PU	
HPUD57_125	dark blue	-30 to +125	D57	Hard PU	1,2,3
HPUD57	dark blue	-30 to +90	D57	Hard PU	1,2,3
HPUD57_GM	grey	-30 to +90	D57	Hard, lubricant-filled PU	
HPUD72	black	-20 to +110	D72	Hard PU	

Elastomer	Colour	Oper. temperature	Hardness	Comments	Approvals *
NBR73	black	-30 to +90	A73	Soft, especially for pneumatics	
NBR85	black	-25 to +100	A85	For general applications	
NBR90	black	-30 to +110	A90	Hard NBR	
NBR95	black	-25 to +100	A95	Hard NBR	
NBR85_FDA	white	-22 to +100	A85	Food-grade NBR	1,2,3
NBR85_DET	blue	-25 to +100	A85	Detectable NBR	1,2,3
TNBR80	black	-50 to +105	A82	Low temperature NBR	
XNBR90	black	-30 to +110	A89	Hard, elasticity/abrasion > NBR	
HNBR73	black	-25 to +150	A73	Soft, especially for pneumatics	
HNBR85	black	-25 to +150	A85	Hydrogenated NBR	
HNBR85_ED	black	-30 to +150	A85	Against explosive decompression	7
HNBR85_FDA	green	-30 to +150	A85	Food-grade HNBR	1,2,3
HNBR90	black	-20 to +150	A90	Hard HNBR	
HNBR95	black	-20 to +150	A95	Hard HNBR	
HNBR85_DET	blue	-30 to +150	A82	Detectable HNBR	1,2,3
FPM73	black	-25 to +220	A73	Soft, especially for pneumatics	
FPM85	brown	-20 to +210	A85	Standard fluorinated rubber	
FPM85	black	-20 to +200	A85	More economical option	
FPM85_FDA	brown	-20 to +210	A85	Food-grade FPM	1,2,3
FPM85_FDA	white	-20 to +210	A85	Food-grade FPM	1,2,3
FPM85_DCP	black	-10 to +220	A85	Higher water and steam resistance	
FPM85_ED	black	-25 to +215	A85	Against explosive decompression	7
FPM85_DET	blue	-25 to +210	A87	Detectable FPM	1,2,3
TFPM80	black	-40 to +210	A80	Low temperature FPM	
EPDM73	black	-53 to +135	A76	Soft, especially for pneumatics	
EPDM73_FDA	white	-50 to +135	A77	Soft, especially for pneumatics	1,2,3
EPDM85	black	-50 to +130	A85	Standard EPDM	
EPDM85_FDA	white	-50 to +100	A85	Food-grade EPDM	1,2,3
EPDM85_FDA_HT	white	-40 to +135	A85	Food-grade EPOM for higher temperatures.	1,2,3
EPDM85_KTW	black	-40 to +120	A85	EPDM approved for drinking water	5,6
EPMD85_KTW_HT	black	-40 to +150	A85	Drinking water-approved EPDM for higher temp.	5,6
EPDM85_DET	blue	-50 to +135	A84	Detectable EPOM	1,2,3
Silicon85_FDA	red-brown	-55 to +210	A85	Food-grade silicone	1,2,3
Silicon85_FDA	light blue	-55 to +210	A85	Food-grade silicone	1,2,3
Silicon85_FDA	transparent	-55 to +211	A86	Food-grade silicone	1,2,3
Silicon85_FDA	white	-60 to +210	A84	Food-grade silicone	1,2,3
Silicon85_DET	blue	-60 to +210	A88	Food-grade silicone	1,2,3
AEM	black	-40 to +150	A87	Special for coolants in vehicle construction	
AFLAS®	black	-10 to +220	A85	Very good water and steam resistance	
AFLAS® ED	black	-10 to +220	A87	Against explosive decompression	7
FVMQ90	red	-55 to +230	A90	Fluorosilicone, hard	
CR80	black	-40 to +100	A81	Chloroprene	
FFKM85	black	-25 to +300	A85	Perfluoroelastomer, very expensive	

Thermoplasty / Fluoropolymers	Colour	Oper. temperature	Hardness	Comments	Approvals *
POM_FDA	white	-60 to +100	D85	Suitable for use in damp cond., plain bearing material	1,2,3
POM	black	-60 to +100	D85	Suitable for use in damp cond., plain bearing material	
POM30-Fiberglass	black	-60 to +100	D85	Additional strength and rigidity	
PA_FDA	white	-30 to +105	D85	From 350 mm Replacement for POM _FDA	1,2,3
PA-Glass ball	white-grey	-30 to +105	D85	Reinforced polyamide	
Hytrel	orange	-30 to +120	D54	Thermopl. Polyester elastomer, optimised heat/oil	
UHMW-PE	natural	-200 to +80	D63	Low-friction polyethylene	1,2,3
HGW	brown	-20 to +120		Hard fabric (phenolic resin fabric)	
PTFE-P_FDA	white	-200 to +260	D55	Food-grade PTFE	1,2,3
PTFE-turquoise	turquoise	-200 to +260	D57	PTFE with turquoise colour pigments	
PTFE-40BZ	bronze	-200 to +260	D60	Low-wear PTFE with 40% bronze filler	
PTFE-60BZ	bronze	-200 to +260	D63	Wear-resistant PTFE with 60% bronze filler	
PTFE-F (15Glas/5Moly)	grey	-200 to +260	D58	Hard, wear-resistant PTFE with 15% glass+ 5% MoS2	
PTFE-15Glas	white	-200 to +260	D60	PTFE filled w. 15% glass fibre, white, FDA compliant	1,2,3
PTFE-25Glas	white	-200 to +260	D62	PTFE filled w.25% glass fibre, white, FDA-compliant	1,2,3
PTFE-C (Coal/Graphite)	black	-200 to +260	D60	Low friction, PTFE filled with 23% rab:ol-2% graphite	
PTFE-Ekohle	black	-200 to +260	D60	PTFE filled with 25% clectrographite carbon	
PTFE-15Grafit	black	-200 to +260	D60	PTFE filled with 15% graphite	
PTFE-10Ekonol	beige	-200 to +260	D56	PTFE filled with 10% Ekonol	1,2,3
PTFE-10Aramid fiber	brown	-200 to +260	D59	PTFE filled with 10% aramid fibre	
PTFE-10PEEK	brown	-200 to +260	D60	PTFE filled with 10% PEEK	
PEEK_FDA	beige	-65 to +240	D90	Very good chemical and mechanical properties	1,2,3

Hochleistungskunststoffe – bitte anfragen!

* **Zulassungen:** 1 FDA, 2 EG 1935/2004, 3 VO (EU) 10/2011, 4 3-A Sanitary, 5 W270, 6 DVGW (KTW), 7 NORSOK M-710 (Oil & Gas)

xpress seals GmbH · Elbring 14 · D-22880 Wedel · Fon: +49 4103 92 828-0 · Fax: +49 4103 92 828-69 · info@xpress-seals.com · www.xpress-seals.com