

# CERTIFIED MATERIALS



The tables below (valid as of October 2017) provide an overview of our materials that are certified for use in especially demanding applications. The content is continually updated.

Certificate	Test Lab	Area of Application	Material No.	Elastomer	Shore A Hardness	Colour
<b>Gas devices and equipment installed in the home and household appliances</b>						
DIN EN 549	DVGW	B1/H3 (0 to +80 °C)	NB 90 18 03	NBR	90 ± 5	Black
DIN EN 549	DVGW	B1/H3 (0 to +80 °C)	NB 70 28 22	NBR	70 ± 5	Black
DIN EN 549	DVGW	B2/H3 (-20 to +80 °C)	NB 70 28 07	NBR	70 ± 5	Black
DIN EN 549	DVGW	B2/H3 (-20 to +80 °C)	NB 70 27 17	NBR	70 ± 5	Black
DIN EN 549	DVGW	C2/H3 (-20 to +100 °C)	HN 70 27 04	HNBR	70 ± 5	Black
DIN EN 549	DVGW	C2/H3 (-20 to +100 °C)	HN 70 18 10	HNBR	70 ± 5	Black
DIN EN 549	DVGW	D2/H3 (-20 to +125 °C)	HN 70 78 01	HNBR	70 ± 5	Yellow
DIN EN 549	DVGW	E1/H3 (0 to +150 °C)	FP 80 27 01	FKM	80 ± 5	Black
DIN EN 549	DVGW	E1/H3 (0 to +150 °C)	FP 80 18 01	FKM	80 ± 5	Black
DIN EN 549	DVGW	E1/H3 (0 to +150 °C)	FP 80 18 04	FKM	80 ± 5	Green
<b>Gas supply systems and pipelines</b>						
DIN EN 682	DVGW	GBL (-15 to +50 °C)	NB 70 27 32	NBR	70 ± 5	Black
<b>Drinking water</b>						
DVGW type examination certificate	DVGW	WA/WB	EP 70 39 01	EPDM perox.	70 ± 5	Black
ACS	eurofins		EP 70 39 01	EPDM perox.	70 ± 5	Black
BS6920	WRAS	to +85 °C	EP 70 39 01	EPDM perox.	70 ± 5	Black
<b>Water supply and drainage applications</b>						
DVGW type examination certificate	DVGW	WA/WB	EP 70 39 01	EPDM perox.	70 ± 5	Black



## OVERVIEW OF CERTIFIED MATERIALS

Certificate	Test Lab	Specifications	Material No.	Elastomer	Shore A Hardness	Colour
<b>Gaseous oxygen</b>						
DIN EN 1797/ ISO 21010	BAM	+100 °C / 25 bar > +100 to +150 °C / 20	FP 75 94 11	FKM	75 ± 5	Green
<b>Food and pharmaceutical contact</b>						
FDA 21 CFR	CERISIE	177.2600	EP 70 27 03	EPDM perox.	70 ± 5	Black
FDA 21 CFR	SGS Fresenius	177.2600	SI 70 28 03	VMQ	70 ± 5	Red brown
FDA 21 CFR	SGS Fresenius	177.2600	SI 70 18 07	VMQ	70 ± 5	Red brown
FDA 21 CFR	SGS Fresenius	177.2600	SI 70 50 03	VMQ	70 ± 5	Red brown
FDA 21 CFR	SGS Fresenius	177.2600	SI 70 27 14	VMQ	70 ± 5	Red brown
FDA 21 CFR	SGS Fresenius	177.2600	EP 70 39 01	EPDM perox.	70 ± 5	Black
FDA 21 CFR	SGS Fresenius	177.2600	SI 60 41 01	VMQ	60 ± 5	Red brown
FDA 21 CFR	SGS Fresenius	177.2600	FP 75 94 12	FKM perox.	75 ± 5	Black
BfR (1935/2004 EG)	SGS Fresenius	Recommendation XV	SI 70 18 07	VMQ	70 ± 5	Red brown
BfR (1935/2004 EG)	SGS Fresenius	Recommendation XV	SI 70 50 03	VMQ	70 ± 5	Red brown
BfR (1935/2004 EG)	SGS Fresenius	Recommendation XV	SI 70 27 14	VMQ	70 ± 5	Red brown
LFGB (1935/2004 EG)	SGS Fresenius	Recommendation XXI	EP 70 39 01	EPDM perox.	70 ± 5	Black
LFGB (1935/2004 EG)	SGS Fresenius	Recommendation XV	SI 60 41 01	VMQ	60 ± 5	Red brown
LFGB (1935/2004 EG)	SGS Fresenius	Recommendation XXI	FP 75 94 12	FKM perox.	75 ± 5	Black
CIP-/SIP suitability	ECOLAB		EP 70 39 01	EPDM perox.	70 ± 5	Black
WFI suitability	ECOLAB		EP 70 39 01	EPDM perox.	70 ± 5	Black
USP Class VI - 121 °C	BSL	Chapter 88 (in vivo)	EP 70 39 01	EPDM perox.	70 ± 5	Black
USP 32	BSL	Chapter 87 (in vitro)	EP 70 39 01	EPDM perox.	70 ± 5	Black
3-A Sanitary Standard	CERISIE	Class I	FP 75 94 12	FKM perox.	75 ± 5	Black
3-A Sanitary Standard	CERISIE	Class II	EP 70 39 01	EPDM perox.	70 ± 5	Black
CIP-/SIP suitability	ECOLAB		FP 75 94 12	FKM perox.	75 ± 5	Black
WFI suitability	ECOLAB		FP 75 94 12	FKM perox.	75 ± 5	Black

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