

CERTIFIED MATERIALS

The following table lists our compounds which are certified for special applications:

Gas appliances and equipment in houses respectively household appliances

Approval	Certific. authority	Temperature range	Compound	Elastomer	Hardness	Colour
DIN EN 549	DVGW	B1/H3 (0 up to +80°C)	NB 90 18 03	NBR	90 ± 5 Shore A	black
DIN EN 549	DVGW	B1/H3 (0 up to +80°C)	NB 70 28 22	NBR	70 ± 5 Shore A	black
DIN EN 549	DVGW	B2/H3 (-20 up to +80°C)	NB 70 28 07	NBR	70 ± 5 Shore A	black
DIN EN 549	DVGW	B2/H3 (-20 up to +80°C)	NB 70 27 17	NBR	70 ± 5 Shore A	black
DIN EN 549	DVGW	C2/H3 (-20 up to +100°C)	HN 70 27 04	HNBR	70 ± 5 Shore A	black
DIN EN 549	DVGW	C2/H3 (-20 up to +100°C)	HN 70 18 10	HNBR	70 ± 5 Shore A	black
DIN EN 549	DVGW	D2/H3 (-20 up to +125°C)	HN 70 78 01	HNBR	70 ± 5 Shore A	yellow
DIN EN 549	DVGW	E1/H3 (0 up to +150°C)	FP 80 27 01	FKM	80 ± 5 Shore A	black
DIN EN 549	DVGW	E1/H3 (0 up to +150°C)	FP 80 18 01	FKM	80 ± 5 Shore A	black
DIN EN 549	DVGW	E1/H3 (0 up to +150°C)	FP 80 18 04	FKM	80 ± 5 Shore A	green

Gas supply lines, fittings and pipelines

Approval	Certific. authority	Temperature range	Compound	Elastomer	Hardness	Colour
DIN EN 682	DVGW	GBL (-15 up to +50°C)	NB 70 27 32	NBR	70 ± 5 Shore A	black

Drinking water applications

Approval	Certific. authority	Temperature range	Compound	Elastomer	Hardness	Colour
DVGW type examination certificate	DVGW	WA/WB	EP 70 39 01	EPDM perox.	70 ± 5 Shore A	black
ACS	eurofilms		EP 70 39 01	EPDM perox.	70 ± 5 Shore A	black
BS6920	WRAS	up to 85°C	EP 70 39 01	EPDM perox.	70 ± 5 Shore A	black

Water supply and drainage applications

Approval	Certific. authority	Operating conditions	Compound	Elastomer	Hardness	Colour
DVGW type examination certificate	DVGW	WA/WB	EP 70 39 01	EPDM perox.	70 ± 5 Shore A	black

Food contact and pharmaceutical industry

Compliance	Certific. authority	Specification	Compound	Elastomer	Hardness	Colour
FDA 21 CFR	CERISIE	§177.2600	EP 70 27 03	EPDM perox.	70 ± 5 Shore A	black
FDA 21 CFR	SGS Fresenius	§177.2600	SI 70 28 03	VMQ	70 ± 5 Shore A	reddish brown
FDA 21 CFR	SGS Fresenius	§177.2600	SI 70 18 07	VMQ	70 ± 5 Shore A	reddish brown
FDA 21 CFR	SGS Fresenius	§177.2600	SI 70 50 03	VMQ	70 ± 5 Shore A	reddish brown
FDA 21 CFR	SGS Fresenius	§177.2600	SI 70 27 14	VMQ	70 ± 5 Shore A	reddish brown
FDA 21 CFR	SGS Fresenius	§177.2600	EP 70 39 01	EPDM perox.	70 ± 5 Shore A	black
FDA 21 CFR	SGS Fresenius	§177.2600	SI 60 41 01	VMQ	60 ± 5 Shore A	reddish brown
FDA 21 CFR	SGS Fresenius	§177.2600	FP 75 94 12	FKM perox.	75 ± 5 Shore A	black
BfR (EG 1935/2004)	SGS Fresenius	Recommendation XV	SI 70 18 07	VMQ	70 ± 5 Shore A	reddish brown
BfR (EG 1935/2004)	SGS Fresenius	Recommendation XV	SI 70 50 03	VMQ	70 ± 5 Shore A	reddish brown
BfR (EG 1935/2004)	SGS Fresenius	Recommendation XV	SI 70 27 14	VMQ	70 ± 5 Shore A	reddish brown
LFGB (EG 1935/2004)	SGS Fresenius	Recommendation XXI	EP 70 39 01	EPDM perox.	70 ± 5 Shore A	black
LFGB (EG 1935/2004)	SGS Fresenius	Recommendation XV	SI 60 41 01	VMQ	60 ± 5 Shore A	reddish brown
LFGB (EG 1935/2004)	SGS Fresenius	Recommendation XXI	FP 75 94 12	FKM perox.	75 ± 5 Shore A	black
CIP-/SIP - ability	ECOLAB		EP 70 39 01	EPDM perox.	70 ± 5 Shore A	black
USP Class VI - 121°C	BSL	Chapter 88 (in vivo)	EP 70 39 01	EPDM perox.	70 ± 5 Shore A	black
USP 32	BSL	Chapter 87 (in vitro)	EP 70 39 01	EPDM perox.	70 ± 5 Shore A	black
3-A Sanitary Standard	CERISIE	Class I	FP 75 94 12	FKM perox.	75 ± 5 Shore A	black
CIP-/SIP - ability	ECOLAB		FP 75 94 12	FKM perox.	75 ± 5 Shore A	black

Will be updated if changes occur. Last update: 01.12.2020

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