

Materials with fire protection according to EN 45545-2

Today, quality, flexibility and reliability count more than ever.
For this reason, we are pleased that we can do even more for you.

Elastomerer

Description	Base	Shore A hardness	Colour	Thickness in mm	EN 45545-2
GUK-AF	Aramid-NBR		green	1 – 5	R22/23 HL2
AM 22	EPDM	40 +-5	black	2 – 20	R22/23/24 HL2
AM 661	EPDM	60 +-5	black	2 – 20	R22 HL2, R23/24 HL3
AM 10	EPDM	70 +-5	black	2 – 20	R22/23/24 HL2
AM SI5	Silicone	50 +-5	grey	2 – 10	R22/23/24 HL3
AM SI7	Silicone	70 +-5	grey	1 – 15	R22 HL2, R23/24 HL3
E2441	EPDM	60 +-5	black	2 – 10	R22/23 HL2
HF 45-1000	EPDM	60 +-5	black	1 – 10	R22/23 HL3
E527	EPDM	70 +-5	black	1 – 15	R22/23/24 HL3

Foamed materials

Description	Base	Density in kg/m ³	Colour	Thickness in mm	EN 45545-2
AM M72	Nitril	70 +-30	grey	2 – 20	R22/23/24 HL2
AM M162	EPDM	210 +-30	grey	2 – 20	R22/23/24 HL2
AM PE24	PE	25 +-10	grey/Alu	5 – 25	R1: 25 mm HL3, R10: 5 – 20 mm HL3
RESOBSON PEA BHTi	PE	29 +-4	black/Alu	5 – 20	R1 HL3
O.C.-PE RG 15 ZB R	PE	15	light grey	3 – 25	R22/23 HL2
AM MSI300FR	Silicone	300	grey	2 – 25	R22/23 HL3
kSil V-0 Soft-Medium	Silicone	300	white	2 – 25	R1/7/8/17 HL2, R2/3/22/23/24 HL3
O.C.-FORM 150 UL	PU	150 +-20	black	5,5 – 50	R1/7/17 HL2, R22/23 HL3
O.C.-FORM 150 UL PAN	PU	150 +-20	black	5,5 – 50	R22/23 HL2
AM SP800	EPDM	800 +-50	black	2 – 7	R22/23 HL2
O.C.-THERM R FX	SBR	-	black	3 – 25	R22/23 HL3
Armaflex Rail SD	SBR	70	blue	3 – 19	R1 HL2
Kaiflex railLSLT	NBR	70 +-30	black	3 – 25	R1/7 HL2
PROMASEAL-ST-N	-	270 +-30	red-brown	25	R22/23 HL3

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Plastics

Description	Base	Density in g/cm ³	Colour	Thickness in mm	EN 45545-2
Sustamid 6 FR	PA 6	1,17	nature, black	4,1 – 25	R22/23 HL3
Polystone MK FLAST	PE	1,0	black	8 – 25	R22/23 HL2
Exolon FR clear 099	Polycarbonat	1,2	transparent	2 – 5	R22/23/24 HL3
Exolon FR DX white 139	Polycarbonat	1,2	white	3	R22/23/24 HL3
PROMASEAL-PL	Graphite	1,00	anthracite grey	2,6	R22 HL2, R23 HL3
PROMASEAL-GT	Graphite	-	anthracite grey	1,8 / 2,5	R22 HL2, R23 HL3
AM TVP	PU/Fibreglass	-	grey	0,39	R1 HL3

Mouldings / Profiles

Description	Base	Shore A hardness resp. density in g/cm ³	Colour	Procedure	EN 45545-2
HF 45-2500	EPDM	50 +-5	black	Extrusion	R22/23 HL3
HF 45-1000	EPDM	60 +-5	black	Extrusion	R22/23 HL3
HF 45-1611	EPDM	60 +-5	coloured	Extrusion	R22/23 HL3
HF 45-2200	EPDM	60 +-5	black	Extrusion/Moulded	R22/23 HL2
HF 45-1700	EPDM	70 +-5	black	Extrusion	R22/23 HL3
T9608	EPDM	60 +-5	black	Extrusion/Moulded	R22/23/24 HL3
RB-R 60010-03	Silicone	60 +-5	black	Extrusion	R22/23/24 HL3
FR 8750	Silicone	50 +-5	cream white	Moulded	R22/23 HL3
FR 8760	Silicone	60 +-5	cream white	Moulded	R1/7/22/23 HL3
FR 8775	Silicone	75 +-5	cream white	Moulded	R1/7 HL2, R22/23 HL3
Frianyl A3 RV0	PA 66	1,15	nature	Moulded	R22/23/24 HL3

3D printing

Description	Base	Colour	Procedure	EN 45545-2
Antero 800NA	PEEK	nature (brown)	FDM	R1 HL3
ULTEM 9085 resin	Syntetic resin	nature (brown)	FDM	R2 HL3

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Duroplaste / Thermosets

Description	Base	Density in g/cm ³	Thickness in mm	EN 45545-2
BMC 0204	Resin/Fibreglass	1,90	4	R1/6/11/22/23/24 HL3
SMC 0208	Resin/Fibreglass	1,85	3	R1 HL2, R22/23 HL3
HUP 45/27	Resin/Fibreglass	1,88	3,5	R1/7 HL2
EP GC 202 HFD	Epoxy resin/glass fabric	1,80 – 2,00	1 – 10	R22/23/24 HL3
EP GC 202 HFD	Epoxy resin/glass fabric	1,80 – 2,00	3 – 24	R1/2/3/11/12 HL3, R7/17 HL2
EP GC 202 HFS	Epoxy resin/glass fabric	1,80 – 2,00	1,1 – 25	R22/23/24 HL3
ISOVAL FR4-HF	Epoxy resin/glass fabric	2,00	3 – 25	R22/23/24 HL3
UP GM 203	Polyester resin/glass mat	1,90	2 – 25	R22/23: <4 mm HL2/3, >4 mm HL3

Hoses

Description	Base	Colour	Inner diameter	EN 45545-2
AIRDUC PUR 352 SE RAILWAY	PU	black	20 – 180	R23 HL1
AIRDUC PUR 352 SE RAILWAY PLUS	PU	black/Alu	20 – 180	R1/22/23 HL3
Cooling hose	EPDM	black	9 – 60	R22/23 HL2, ≥ DN60 HL3

Other materials

Description	Base	Colour	Density in g/cm ³	Thickness in mm	EN 45545-2
Felt 500T/1	Wool-felt	black	0,2	1	R1/7/17 HL3, R22 HL1, R23 HL2
P2T	Wool-felt	black	0,25	2 – 6	2 mm: R1/7/17 HL2, 2 – 6 mm: R22/23 HL2

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