



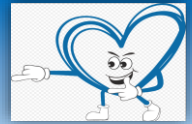
MATERIAL TYPE	MATERIAL CHARACTERISTIC	CODE	FIELD of APPLICATION	CERTIFICATION	COMPLIANCE
<b>ACM</b> (Acrylate copolymer of ethylene)	70shA <b>BLACK</b>	01/A70ACM	<i>AUTOMOTIVE</i>	<b>DBL 6038.63</b>	
<b>CR</b> (polychloroprene/ Neoprene)	70shA <b>BLACK</b>	01/A70CR	<i>GAS</i>	<b>UL 157</b> classification: F,G,J, refrigerant	DVGW EN 549 classification: B2H3
	80shA <b>BLACK</b>	01/A80CR	<i>GAS</i>	<b>UL 157</b> classification: F,G,J, refrigerant	DVGW EN 549 classification: B2H4
<b>EPDM</b> (terpolymers ethylene propylene)	90shA <b>BLACK</b>	01/A90EP	<i>WATER</i>	<b>CARSO</b> classification: CLP	
	70shA <b>BLACK</b>	01/B70EP	<i>AUTOMOTIVE</i>	<b>DBL 5307.10</b>	UL 94 HB
				<b>DBL 6038.14</b>	VOLVO STD 412-0002 EPDM 70-1
	50shA <b>BLACK</b>	01/U50EP	<i>WATER</i>	<b>BELGAQUA</b>	DVGW EN 681-1 classification: WA/WB DM 174/2004
				<b>CARSO</b> classification: ACS	
				<b>TGM-ONORM B5014-1</b>	
				<b>TZW (UBA)</b> classification: 23°C-85°C	
			<i>FOOD</i>	<b>TZW(W270)</b>	FDA 177.2600
	60shA <b>BLACK</b>	01/U60EP	<i>WATER</i>	<b>BELGAQUA</b>	DM 174/2004
				<b>CARSO</b> classification: CLP	
				<b>NSF 61/ANSI</b> classification: 82°C	
				<b>TGM-ONORM B5014-1</b>	
				<b>TZW (UBA)</b> classification: 23°C-85°C	
				<b>TZW(W270)</b>	
				<b>UL 157</b>	
<b>KIWA BRL-K17504</b>					
		<i>FOOD</i>	<b>WRAS BS6920</b> classification: 85°C	FDA 177.2600	
70shA <b>BLACK</b>	01/U70EP	<i>WATER</i>	<b>ASNZS 4020</b>	DVGW EN549 classificazione: B2H3 only mechanical requirements  ASTM D2000 2CA710 A25B35C32EA14F18  DM 174/2004  SILICON FREE	
			<b>BELGAQUA</b>		
			<b>CARSO</b> classification: ACS		
			<b>DVGW EN681-1+ozon test</b> classification: WA/WB		
			<b>DVGW W534</b>		
			<b>NSF61/ANSI</b> classification: 82°C		
			<b>TGM-ONORM B5014-1</b>		
			<b>TZW (UBA)</b> classification: 23°C-85°C		
			<b>TZW(W270)</b>		
			<b>UL 157</b>		
<b>KIWA BRL-K17504</b> classification: 110°C+class III					
<b>WRAS BS6920</b> classification: 85°C					



MATERIAL TYPE	MATERIAL CHARACTERISTIC	CODE	FIELD of APPLICATION	CERTIFICATION	COMPLIANCE
	80shA <b>BLACK</b>	01/U80EP	FOOD		FDA 177.2600
			GAS		DVGW EN549 classificazione: B2 H3 ONLY MECHANICAL REQUEST
			WATER	BELGAQUA	DVGW EN549 classificazione: B2H3 only mechanical requirements
				CARSO classification: ACS	
				DVGW EN681-1 classification: WA/WB	
				DVGW W534	
				NSF61/ANSI classification: 82°C	
				TGM-ONORM B5014-1	
				TZW (UBA) classification: 23°C-85°C	
			TZW(W270)	OZONE RESISTENCE in according to EN681-1	
UL 157					
WRAS BS6920 classification: 85°C	SILICON FREE				
FOOD		FDA 177.2600			
70shA <b>BLACK</b>	01/V70EP	WATER	CARSO classification: ACS		
70shA <b>BLACK</b>	01/W70EP	WATER	NSF61/ANSI classification: 82°C	Chlorine Chloramine resistance (ASTM D6284-09)	
			ASNZS 4020		
			FOOD		FDA 177.2600
70shA <b>BLACK</b>	01/AC70FKM	AUTOMOTIVE	DBL 6038.46	RENAULT 30-00-118/--Acat4E	
70shA <b>BLACK</b>	01/AH70FKM	GAS	DVGW EN 549+ozone test Classification: E1 H3		
			DVGW EN 682 Classification: GBL		
		WATER	DVGW W534		
			DVGW EN681-1 classification:WA/WB		
		FOOD		FDA 177.2600	
70shA <b>BLACK</b>	01/AF70FKM	AUTOMOTIVE	DBL 6038.40		
70shA <b>BROWN</b>	01/E70FKM	FOOD		FDA 177.2600	
80shA <b>BLACK</b>	01/E80FKM	GAS	DVGW EN 549 Classification: E1 H3		
			ZP5101 Resistenza idrogeno		
			UL 157 classification: B,C,D,F,G,H,J		
70shA <b>BLACK</b>	01/G70FKM	GAS	DVGW EN 549+ozone test Classification: E1 H3		
			ZP5101 Resistenza idrogeno		
70shA <b>BLACK</b>	01/I70FKM	GAS	UL 157 classification:F,G,J		



MATERIAL TYPE	MATERIAL CHARACTERISTIC	CODE	FIELD of APPLICATION	CERTIFICATION	COMPLIANCE	
FKM (Flouroelastomers)	70shA BLACK	01/L70FKM	GAS	DVGW EN 549 Classification: B2 H3	OZONE RESISTENCE according to EN549	
				UL 157 classification:F,G,J		
	70shA GREEN	01/S70FKM	GAS	DVGW EN 549 Classification: E1 H3	VOLVO STD 412-0002 FKM 70-01	
				ZP5101 Resistenza idrogeno		
			AUTOMOTIVE			SILICON FREE
	60shA GREEN	01/T60FKM	GAS	DVGW EN 549 Classification: E1 H2	OZONE RESISTENCE according to EN549	
			WATER	WRAS BS6920 classification: 23°C		
			FOOD		FDA 177.2600	
	70shA GREEN	01/T70FKM	GAS	DVGW EN 549+ozone test Classification: E1 H3	DVGW EN681-1 classification: WA/WB DM 174/2004	
				ZP5101 resistenza idrogeno		
			WATER	WRAS BS6920 classification: 23°C		
				NSF61/ANSI classification: 82°C		
			FOOD	NSF 51 all food contact types- 150°C		
	FOOD		FDA 177.2600			
80shA GREEN	01/T80FKM	WATER	WRAS BS6920 classification: 23°C			
		FOOD		FDA 177.2600		
FMVQ (Fluor silicon)	60ShA BLUE	01/A60FMQ	GAS	DVGW EN 549 Classification: E2 H2	OZONE RESISTENCE according to EN549	
				UL 157 classification:F,G,J		
	50ShA BLACK	01/B50HNBR	GAS	DVGW EN 549+ozone test Classification: D2 H3	DVGW EN549 classificazione: B2 H2 OZONE RESISTENCE according to EN549	
				ZP5101 Resistenza idrogeno		
	60ShA BLUE (available in different colors)	01/A60HNBR	GAS		DVGW EN549 classificazione: B2 H2 OZONE RESISTENCE according to EN549	
	70ShA BLACK	01/C70HNBR	GAS	DVGW EN 549+ozone test Classification: D2 H3		
55ShA BLACK	01/D55HNBR	GAS	DVGW EN 549+ozone test Classification: B2 H2			
			ZP5101 Resistenza idrogeno			



MATERIAL TYPE	MATERIAL CHARACTERISTIC	CODE	FIELD of APPLICATION	CERTIFICATION	COMPLIANCE	
<b>HNBR</b> (Hydrogenated nitrile)	70ShA <b>BLACK</b>	01/D70HNBR	GAS	<b>DVGW EN 549+ozone test</b> Classification: B2 H3		
				<b>ZP5101</b> Resistenza idrogeno		
	70ShA <b>YELLOW</b>	01/E70HNBR	GAS	<b>DVGW EN 549</b> Classification: B2 H3	OZONE RESISTENCE according to EN549	
				<b>DVGW EN 682</b> Classification: GBL		
	60ShA <b>BROWN</b>	01/F60HNBR	GAS		DVGW EN549 classificazione: B2 H2 OZONE RESISTENCE according to EN549	
	70ShA <b>YELLOW</b>	01/I70HNBR	GAS	<b>DVGW EN 549+ozone test</b> Classification: B2 H3		
				<b>DVGW EN682</b> Classification: GBL		
<b>ZP5101</b> Resistenza idrogeno						
<b>UL 157</b> classification:G						
		WATER	<b>KTW BWGL P3</b>	DVGW EN681-1 Classification: WB SILICON FREE		
			<b>DIN 16421</b>			
70ShA <b>YELLOW</b>	01/M70HNBR	GAS	<b>DVGW EN 682</b> Classification: GBL	OZONE RESISTENCE according to EN682		
	70ShA <b>BLACK</b>	01/AA70NBR	GAS	<b>DVGW EN 549+ozone test</b> Classification: B2 H3	DM 174/2004	
				<b>ZP5101</b> Resistenza idrogeno		
				<b>DVGW EN 682</b> Classification: GBL		
			WATER	<b>CARSO</b> classification: CLP (23°C)	WRAS BS9620 (23°C) NSF 61/ANSI (23°C)	
				<b>DVGW EN681-1</b> Classification: WA		
	60ShA <b>BLACK</b>	01/AA60NBR	WATER	GAS	<b>DVGW EN 682</b> Classification: GBL	WRAS BS6920 (23°C) DVGW EN 682 GBL
	80ShA <b>BLACK</b>	01/AA80NBR	WATER		WRAS BS6920 (23°C) DVGW EN 681-1 WA NSF 61/ANSI	
	80ShA <b>BROWN</b>	01/AAL80NBR	GAS	<b>DVGW EN549</b> classificazione: B2 H3		
	75ShA <b>BLACK</b>	01/AM75NBR	GAS	<b>DVGW EN 549</b> Classification: B2 H3		
<b>ZP5101</b> Resistenza idrogeno						



MATERIAL TYPE	MATERIAL CHARACTERISTIC	CODE	FIELD of APPLICATION	CERTIFICATION	COMPLIANCE
NBR (Copolymer butadiene acrylonitrile)				UL 157 classification: F,G,J	
	60Sha BLACK	01/AN60NBR	GAS	DVGW EN 549 Classification: B2 H2	
				UL 157 classification: F,G,J	
	60Sha BLACK	01/AS60NBR	GAS	UL 157 classification: F,G,J	DVGW EN 549 Classification: B2 H2
	65Sha BLACK	01/AS65NBR	GAS	DVGW EN 549+ozone test Classification: B2 H3	
				ZP5101 Resistenza idrogeno	
	70Sha BLACK	01/AS70NBR	GAS	DVGW EN 549+ozone test Classification: B2 H3	
				UL 157 classification: F,G, JJ	
	80Sha BLACK	01/AS80NBR	GAS	DVGW EN 549+ozon test Classification: B2 H3	
				UL 157 classification: F,G, I,J	
				ZP5101 Resistenza idrogeno	
	50Sha BLACK	01/B50NBR	WATER	CARSO classification: CLP	
				WRAS BS6920	
	60Sha BLACK	01/B60NBR	WATER	CARSO classification: CLP	
				WRAS BS6920	
		FOOD		FDA 177.2600	
70Sha BLACK	01/B70NBR	GAS	DVGW EN 549 Classification: B1 H3		
			ZP5101 Resistenza idrogeno		
		WATER	CARSO classification: CLP/ACS		
			TZW (UBA) classification: 23°C		
			TZW(W270)	DM 174/2004	
			WRAS BS6920 classification: 23°C		
			TGM-ONORM B5014-1		
		FOOD		FDA 177.2600	
80Sha BLACK	01/B80NBR	WATER	CARSO classification: CLP		
			NSF61/ANSI classification: 82°C		
			TZW (UBA) classification: 23°C		
			TZW(W270)		
			WRAS BS6920 classification: 23°C		



MATERIAL TYPE	MATERIAL CHARACTERISTIC	CODE	FIELD of APPLICATION	CERTIFICATION	COMPLIANCE
	85Sha <b>BLACK</b>	01/B85NBR	GAS	DVGW EN 549 Classification: B2 H3	SILICON FREE
	60Sha <b>BLACK</b>	01/D60NBR	GAS	DVGW EN 549 Classification: B2 H2 UL 157 classification: F,G,J	
	80Sha <b>BLACK</b>	01/D80NBR	GAS	DVGW EN 549 Classification: B2 H3 ZP5101 Resistenza idrogeno	
	85Sha <b>BLACK</b>	01/D85NBR	GAS	UL 157 classification: F,G,J	DVGW EN 549 Classificazione: B2H3
	50Sha <b>BLACK</b>	01/E50NBR	GAS	DVGW EN 549 Classification: A2 H2	OZONE RESISTENCE according to EN549
	70Sha <b>BLACK</b>	01/H70NBR	GAS	DVGW EN 549 Classification: B2 H3 ZP5101 Resistenza idrogeno	SILICON FREE
	70Sha <b>BLACK</b>	01/FR70NBR	FOOD	NSF 51 all food contact types- 100°C	
	80Sha <b>BLACK</b>	01/FR80NBR	FOOD	NSF 51 all food contact types- 100°C	
	70Sha <b>RED</b>	01/A70VMQ	GAS	DVGW EN 549 Classification: E2 H3	OZONE RESISTENCE according to EN549
			FOOD		FDA 177.2600
	50Sha <b>GREY</b>	01/C50VMQ	WATER	CARSO classification: CLP NSF61/ANSI classification: 82°C WRAS BS6920 classification: 85°C	
	60Sha <b>GREY</b>	01/C60VMQ	WATER	CARSO classification: CLP NSF61/ANSI classification: 82°C WRAS BS6920 classification: 85°C	
			FOOD		FDA 177.2600
	70Sha <b>GREY</b>	01/C70VMQ	WATER	CARSO classification: CLP NSF61/ANSI classification: 82°C WRAS BS6920 classification: 85°C	
	65Sha <b>BLUE</b>	01/F65VMQ	GAS	DVGW EN 549 Classification: E1 H3	
	50Sha <b>BLUE</b>	01/L50VMQ	WATER	CARSO classification: CLP NSF61/ANSI classification: 82°C WRAS BS6920 classification: 85°C	
	60Sha <b>BLUE</b>	01/L60VMQ	WATER	CARSO classification: CLP NSF61/ANSI classification: 82°C WRAS BS6920 classification: 85°C	
	70Sha <b>BLUE</b>	01/L70VMQ	WATER	CARSO classification: CLP NSF61/ANSI classification: 82°C WRAS BS6920 classification: 85°C	
			AUTOMOTIVE		VOLVO VCS 1225,909
				CARSO classification: CLP	



MATERIAL TYPE	MATERIAL CHARACTERISTIC	CODE	FIELD of APPLICATION	CERTIFICATION	COMPLIANCE	
VMQ (silicone)	50Sha RED	01/M50VMQ	WATER	DVGW EN681-1 classification: WA	DVGW EN681-1 WB OZONE RESISTENCE according to EN681-1	
				DVGW W534		
				NSF61/ANSI classification: 82°C		
				TZW (KTW) classification: 85°C		
				TZW(W270)		
	55Sha RED	01/M55VMQ	WATER	TZW (KTW) classification: 23°C	CARSO classification: CLP WRAS BS6920 (85°C)	
				TZW(W270)	BFR Racc. Part XV; LFGB sec.31 and Reg. No.1935/2004; ZEK Cat.1	
				FOOD	FDA 177.2600	
	60Sha RED	01/M60VMQ	GAS		DVGW EN 549	
			WATER	CARSO classification: CLP	Bfr n°XV; USP class VI; EN 549	
	NSF61/ANSI classification: 82°C					
	TZW (KTW) classification: 23°C					
	TZW (W270)					
	70Sha RED	01/M70VMQ	WATER	WRAS BS6920 classification: 85°C	DVGW EN681-1 WB BFR racc.Part XV	
				FOOD		FDA 177.2600
				DM 21/09/1973		FDA 177.2600
	50Sha WHITE	01/N50VMQ	WATER	CARSO classification: CLP		
				NSF61/ANSI classification: 82°C		
60Sha WHITE	01/N60VMQ	WATER	WRAS BS6920 classification: 85°C			
			CARSO classification: CLP			
			NSF61/ANSI classification: 82°C			
			WRAS BS6920 classification: 85°C			
			CARSO classification: CLP			



# CERTIFIED COMPOUNDS LIST



UPDATE: 04/04/2023

MATERIAL TYPE	MATERIAL CHARACTERISTIC	CODE	FIELD of APPLICATION	CERTIFICATION	COMPLIANCE
	70Sha WHITE	01/N70VMQ	WATER	NSF61/ANSI classification: 82°C WRAS BS6920 classification: 85°C	