Fainplast compounds

PVC THERMOPLASTIC
FOR CABLES

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Sheathing		Classification					Density	Hardness	Tensile Strength	Elongation at Break	Oxygen Index	Thermal Stability
		EN 50363-0	EN 50363-4-1	EN 50290-2-22	VDE 0207	Others	ISO 1183 g/cm³	ISO 868 Shore A	ISO 527 N/mm²	ISO 527 %	ISO 4589 %	CEI 20-34/3-2 Minutes
General purposes												
CKL 59/OP	Sheathing music instruments						1,36	59	≥ 11	≥ 300		≥60
CKL 68/K	Opaque sheath with high mech. properties		TM2 TM4	TM52			1,33	68	≥ 10	≥ 300		≥50
CKL 01863	Low temperature cables					GOST 5960-72 0-50	1,25	69	≥ 16	≥ 360		≥100
CKL 80/R	Mineral oil resistant sheathing		TM5	TM55			1,35	80	≥ 16	≥ 300		≥60
CKL 76/V	High extrusion speed		TM1 TM2	TM51 TM52			1,47	76	≥ 14	≥ 280		≥50
CKL 80/16	General purposes		TM2	TM52	YM1 YM2		1,48	80	≥ 12	≥ 250		≥50
CKL 83/5	Sheathing Coaxial TV Cable			TM51			1,38	83	≥ 17	≥ 350		≥90
CKL 89	General purposes	RZ				IEC 60502 ST2 BS 7655 type9	1,52	89	≥ 13	≥250		≥50
CKL 90/6	General purposes					HD 602 DMV5 DMV6	1,5	90	≥ 13,5	≥240		≥120
CKL 91/T-UV	Anti rodent and termites (anti UV)					IEC 60502 ST2 BS 7655 type9	1,53	90	≥ 13	≥240		≥50
CKL 90/1	General purposes					IEC 60502 ST2 BS 7655 type9	1,55	91	≥ 12	≥ 200		≥50
Flame-Retardant Sheathing												
GK 74/R2-UV	Mineral oil resistant, UV resistant and low temperature sheathing (80°C)		TM5			UL 1581	1,31	73	≥ 14	≥ 300	27,5	≥40
GK 77/R1	Mineral oil resistant sheathing (90°)		TM5	TM55		UL 1581	1,34	77	≥ 18	≥ 320	29	≥80
GK 80/R	Mineral oil resistant sheathing		TM5			CNOMO E0340.150N	1,39	80	≥ 16	≥ 300	26,5	≥60
GK 81/1	General purposes		TM2				1,55	80	≥ 12,5	≥ 280	27,5	≥50
GK 87/10	General purposes	RZ	TM1				1,56	86	≥ 14	≥ 240	30	≥35
GK 87/18	Suggested for CPR applications	RZ R16	TM1			HD 602 DMV5	1,51	87	≥ 14,5	≥ 270	33	≥120
GK 86/8	Aliphatic hydrocarbons resistant Heavy metals free					NF M 87-202	1,41	87	≥ 16,5	≥ 300	28,5	≥50
GK 0185/R	Oil and hydrocarbon resist.Sheath (90°)					UIC 895 OR	1,44	88	≥ 16	≥ 300	28,5	≥50
GK 89/R	Hydrocarbons resistant	RZ				ENI 0181.00	1,41	89	≥ 17	≥ 240	32	≥35
GK 88/3	Heavy metal free cables	RZ					1,51	89	≥ 15	≥ 240	27,5	≥50
GK 89/13	Suggested for CPR applications	RZ R16					1,56	89	≥ 15	≥ 220	36,0	≥35
GK 01088/LS	FRLS cables (Hcl ≤17%)	RZ	TM1				1,57	90	≥ 14	≥ 210	30	≥40
HGKA 02092/LS	Suggested for plenum applications					UL1581	1,6	55 ShD	≥ 16	≥ 170	53	≥60
Sheathing for high temperatures												
HGK 80/2	Operating temperature 90°C					UL 1581	1,45	81	≥ 14	≥ 250	25	≥80
HGK 83	Operating temperature 90°C		TM3				1,38	83	≥ 13	≥ 250		≥300
HGK 83/1	Operating temperature 105°C					UL 1581	1,45	83	≥ 12	≥ 290		≥180
HGKA 78	Operating temperature 90°C					UL 1581	1,38	80	≥ 15	≥ 290	27	≥140
HGKA 79/R	Sheathing oil resistent (80°C)		TM5	TM55		UL 1581	1,39	79	≥ 14	≥ 270	25	≥70
HGKA 83	Operating temperature 90°C		TM3				1,42	83	≥ 15	≥ 280	27	≥300
HGKA 88/1	Sheathing hydrocarbon resistent (105°C)		TM5	TM55		NFM 87-202 UL1581	1,56	88	≥ 15	≥ 330	30	

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Insulation		Classification					Density	Hardness	Tensile Strength	Elongation at Break	Oxygen Index	Thermal Stability	Vol. Res. @ 23°C
		EN 50363-0	EN 50363-3	EN 50290-2-21	VDE 0207	Others	ISO 1183 g/cm³	ISO 868 Shore A	ISO 527 N/mm²	ISO 527 %	ISO 4589 %	CEI 20-34/3-2 Minutes	ASTM D 257 Ω.cm
General purposes													
FK 76	Insulation low temperatures				YI1 YI2		1,32	76	≥ 15	≥ 320		≥60	
FK 0656/1	Insulation low temperatures					GOST 5960-72 N40-13, 10-40	1,26	80	≥ 17,5	≥ 390		≥60	
FK 86/10	General purposes		TI1	TI51			1,49	86	≥ 15	≥ 240		≥50	5×10^{13}
FK 85/3	Low temperature insulation		TI4				1,27	86	≥ 18	≥ 300		≥50	
FK 0879	General purposes				YI4 YM5		1,48	90	≥ 15	≥ 270		≥120	
FK 90/24	General purposes					HD 602 DIV4	1,53	90	≥ 14	≥ 280		≥120	3×10^{13}
FK 92/V	High extrusion speed		TI1	TI51			1,50	92	≥ 16	≥ 260		≥60	3×10^{13}
FKT 92/4	Telephone Cables		TI1	TI51			1,38	92	≥ 22	≥ 300		≥45	$1,5 \times 10^{14}$
FKT 96	General purposes				YI3		1,37	96	≥ 22	≥ 200		≥150	2×10^{15}
Flame-retardant Insulation													
FKA 88/1	Insulation low temperatures	R2				IEC 60332-3	1,40	88	≥ 18	≥ 280	29	≥70	1×10^{14}
FKA 91/8	General purposes	R2				IEC 60332-3	1,54	91	≥ 16	≥ 260	29	≥50	5×10^{14}
FKA 93/3	Heavy metal free cables		TI1	TI51			1,55	93	≥ 16	≥ 200	29	≥50	
FKA 94/5	Suggested for CPR applications	R2 S17					1,51	94	≥20	≥ 230	28	≥60	2×10^{15}
FKA 0753	General purposes		TI1	TI51		TELECOM 1341	1,51	96	≥ 19	≥ 230	30	≥90	1×10^{15}
Insulation for high temperatures													
KL 82/3	Operating temperature 105°C Oil resistant Flame retardant					UL 1581	1,45	82	≥ 17	≥ 340	30	≥320	3×10^{14}
KL 84/1	General purposes flame retardant				YM4		1,35	84	≥ 20	≥ 290	27	≥450	2×10^{14}
KL 85	Operating temperature 105°C					FIAT 9.91220 Allegato 27	1,30	85	≥ 18	≥ 340		≥200	
KL 85/3	Operating temperature 105°C					UL 1063 MTW	1,45	87	≥ 16	≥ 280	28	≥180	1×10^{14}
KL 90/2	Operating temperature 105°C					Style 1015	1,40	90	≥ 18	≥ 280	27,5	≥200	1×10^{14}
KL 01589	General purposes				YI8		1,43	91	≥ 18	≥ 280		≥600	6×10^{14}
KL 91/7	Operating temperature 90°C				YI7		1,47	91	15,5	220		≥130	2×10^{14}
KL 93/3	Operating temperature 90°C		TI3	TI53			1,44	92	≥ 16	≥ 300		≥300	1×10^{14}
KL 95	Automotive cables low thickness					ISO 6722-1 Class B	1,31	93	≥ 20	≥ 240		≥220	1×10^{14}
KL 95/7	Operating temperature 105°C					IEC 60227 PVC/E	1,50	95	≥ 21	≥ 270		≥200	4×10^{14}
KL 95/1	Automotive cables low thickness					VW 60306 Classe B	1,34	95	≥ 20	≥ 280		≥200	
KL 95/3	Operating temperature 90°C					BS 7655:99 Tipo 5	1,31	95	≥ 23	≥ 260		≥160	1×10^{15}
KL 01990	Automotive cables 125°C					ISO 6722-1 class C	1,31	95	≥ 21	≥ 270		≥400	3×10^{14}
KL 101/2	Operating temperature 80°C					UL Style 1061	1,34	49 Sh.D	≥ 24	≥ 240	30	≥170	1×10^{15}
KL 52/V	Low wall thickness		TI3	TI53			1,50	52 Sh.D	≥ 24	≥ 200		≥300	7×10^{14}

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		EN 50363	EN 50290	Others	ISO 1183 g/cm³	ISO 868 Shore A	ISO 527 N/mm²	ISO 527 %	ISO 4589 %	CEI 20-34/3-2 Minutes
Transparent grades										
KLT 87/UV	Transparent Insulation (105°C) UV resistant			UL 1581 Classe 43	1,23	87	≥ 19	≥ 330		≥130
KLT 92/1	Transparent Insulation (90°C)	TI3	TI53		1,25	92	≥ 20	≥ 300		≥280
PH 80/8-UV	Transparent Sheathing	TM2	TM52		1,22	70	≥ 18	≥ 370		≥40
PH 90/UV	Transparent sheathing Anti-UV	TM1	TM51		1,24	90	≥ 20	≥ 320		≥35
HGKT 84/1	Transparent sheathing (90°C)	TM3			1,24	84	≥ 18	≥ 320		≥280
Bedding										
CRK 84	General purpose				1,82	88	≥ 6	≥ 120		
CRKA 91/2	Flame retardant, suggested for CPR applications				1,94	91	≥ 5	≥ 150	43	≥10
CRKA 90/1	Flame Retardant, low migration				2,04	90	≥ 4	≥ 130	40	≥30
Plugs										
GSK 78/3	Plugs injection moulding				1,43	78	≥ 12	≥ 200		≥60
GS 76/TN-UV	Transparent Plugs				1,21	76	≥ 15	≥ 300		≥50

Notes

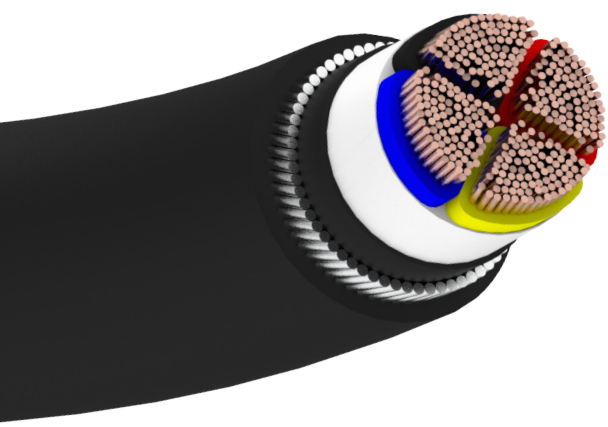
The values shown in these tables are tyipical values obtained from measurements made on extruded samples or pressed plates.
The information shown in this document should be considered given simply as a guide for the use of the interested product.
The technical information shown derive from our laboratory tests and are indicative and not strictly binding. Fainplast Sri so will never be considered responsible for the results obtained by using its products in other production processes.

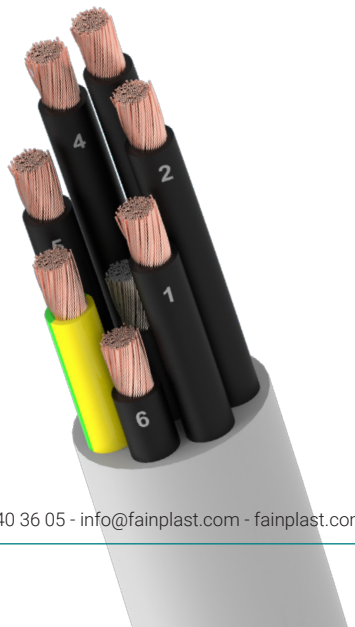
Storage

These compounds must be stored at ambient temperature (not exceeding 30'C) in closed and unbroken packaging , in order to avoid exposure to sunlight and water absorption.

Packaging

Available in 25Kg plastic bags, big bags, carton oktabins or in silos truck.





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