



PVC FOR CABLES

PVC FOR CABLES		Classification				Density	Hardness	Tensile Strength	Elongation at Break	Oxygen Index	Thermal Stability	Cold Flex
Sheathing		EN 50363-0	EN 50363-4-1	VDE 0207	Others	ISO 1183 gr/cc	ISO 868 Sh.A	ISO 527 N/mm ²	ISO 527 %	ISO 4589 %	CEI 20-34/3-2 Minutes	ISO 458/2 °C
General Purposes												
SA 62 A C	Sheathing music instruments					1,36	62	≥10	≥380			
FB 67 CZ FR UV	Low temperature cables					1,28	67	≥16	≥350			-45
SA 67 CZ K8 D2 N	Opaque sheathing		TM2			1,47	68	≥11	≥290			
SA 70 R CZ N1	General purposes		TM2			1,46	70	≥10	≥330		≥40	
SR 75 REF CZ D1	General purposes		TM2	YM2		1,45	75	≥10	≥280		≥40	
SG 79 A OIL C	Hydrocarbons and oil resistant		TM5			1,36	75	≥13	≥420		≥70	-40
SG 78 CZ OIL	Oil resistant		TM5			1,43	78	≥16	≥300			
SR 78 GUA CZ D2	General purposes		TM1	YM1		1,45	78	≥12.5	≥250			
FB 81 CZ N1	Sheathing Coaxial TV Cable		TM1			1,35	81	≥17	≥300			
SR 80 CZ GK N RAT	Anti rodent and termites		TM1			1,52	82	≥13	≥300			
SA 84 CZ EL N1	General purposes		TM1			1,49	84	≥12.5	≥240		≥60	
SA 86 A C1 N	General purposes		TM2			1,49	86	≥13	≥280		≥60	
Flame-retardant Sheathing												
AF SG 79 A OIL C	Hydrocarbons and oil resistant sheathing		TM5	UL1581 Classe 43		1,36	75	≥13	≥440	25,5	≥70	
AF 81 CZ ZB N4	General purposes		TM2			1,55	81	≥10.5	≥240	27		
AF 83 CZ ZB MH N1	General purposes (SUGGESTED FOR CPR APPLICATIONS)	R18	TM2			1,52	83	≥10.5	≥235	29		
AF 83 CZ N	General purposes ATO free		TM1			1,5	84	≥14	≥350	27		
AF 85 CZ D	General purposes ATO free (SUGGESTED FOR CPR APPLICATIONS)	R18	TM2			1,52	85	≥10.5	≥240	29,5		
AF SG 88 A OIL C	Hydrocarbons and oil resistant sheathing		TM5			1,39	87	≥17	≥360	27,5		-16
AF 89 CZ ZB N3	General purposes (SUGGESTED FOR CPR APPLICATIONS)	R16				1,57	89	≥13	≥240	35		
Sheathing for High Temperatures												
AF SG 76 HT 105 CZ OIL	Operating temp. 105°C (OIL RESISTANT)		TM5	UL1581 Classe 43		1,39	76	≥16	≥240	28	≥300	
SR 77 HT 90 CZ	Operating temp. 90°C		TM3			1,36	77	≥14	≥240		≥240	
AF SG 84 HT 90 CZ OIL	Operating temp. 90°C (OIL RESISTANT)		TM5	UL1581 Classe 43		1,5	84	≥15	≥240	28	≥300	
SR 85 HT 105 CZ TM	Operating temp. 105°C					1,43	85	≥14	≥300		≥300	



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Insulation		EN 50363-0	EN 50363-3	VDE 0207	Others	ISO 1183 gr/cc	ISO 868 Shore A	ISO 527 N/mm2	ISO 527 %	ISO 4589 %	CEI 20-34/3-2 Min	ISO458/2 C°	ASTM D257Ω cm
General Purposes													
SR 82 FR CZ	Low temp. insulation			TI4		1,26	82	≥18	≥380				
SR 90 CZ D KA	General purposes			TI2		1,59	90	≥11	≥200				
SR 91 FAC CZ 1	Telephone Cables			TI1		1,36	90	≥17	≥300		≥100		1×10 ¹⁴
SR 90 CZ LIB	General purposes			YI4		1,46	90	≥16	≥280		≥120	-40	
SR 90 CZ GC	General purposes				HD602 DIV4	1,47	90	≥14	≥280		≥120		
SR 90 CZ N	General purposes			TI1		1,51	90	≥15	≥200		≥60		9×10 ¹³
SR 90 CZ EL D1	General purposes			YI1/YI2		1,54	90	≥14	≥240		≥50	-30	8×10 ¹³
Flame-retardant Insulation													
AF 90 CZ N	General purposes ATO free		R2			1,54	90	≥15	≥300	28			
AF 90 CZ MH K N	General purposes (SUGGESTED FOR CPR APPLICATIONS)		S18			1,57	90	≥13	≥220	29,5			
AF 90 CZ D	General purposes ATO free (SUGGESTED FOR CPR APPLICATIONS)		S18	TI1		1,55	90	≥13	≥230	29,5			
AF 92 CZ D	General purposes (SUGGESTED FOR CPR APPLICATIONS)		S17			1,50	92	≥16	≥300	29			
AF 93 CZ D	General purposes ATO free (SUGGESTED FOR CPR APPLICATIONS)		S17			1,50	93	≥16	≥300	29			
Insulation for High Temperatures													
SR 90 HT 90 CZ D	Operating temp. 90°C (AUTOMOTIVE)				ISO 6722-1 Classe A	1,31	90	≥16	≥280		≥240		
SR 91 HT 90 CZ5	Operating temp. 90°C			TI3		1,39	91	≥14	≥230		≥240		1×10 ¹⁴
SR 92 HT 105 CZ C	Operating temp. 105°C (AUTOMOTIVE)				ISO 6722-1 Classe B	1,34	92	≥16	≥280		≥300		1×10 ¹⁴
SR 94 HT 105 CZ1	Operating temp. 105°C					1,40	94	≥19	≥270	26	≥300		1×10 ¹⁵
SR 96 HT 125 K8 CZ C	Operating temp. 125°C (AUTOMOTIVE)				ISO 6722-1 Classe C	1,29	96	≥20	≥260		≥420		1×10 ¹⁴



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		EN 50363	Others	ISO 1183 gr/cc	ISO 868 Shore A	ISO 527 N/mm2	ISO 527 %	ISO 4589 %	CEI 20-34/3-2 Minutes	ISO458/2 C°
Transparent grades										
BZ 81 D	Transparent sheathing	TM2		1,21	80	≥18	≥380		≥37	
BZ 89 D UV	Transparent sheathing anti-UV	TM1		1,26	89	≥22	≥340			
T 89 ATC HT 105	Transparent insulation (105°C)	UL1581 Classe 43		1,24	89	≥20	≥330			
Bedding										
IN 3080 CZ N1	Bedding			1,80	85	≥5	≥190			
IN 3340 AF CZ N1	Flame retardant bedding			1,95	87	≥5	≥180	37		
IN 92 AF CZ ZB MH N	Flame retardant bedding (SUGGESTED FOR CPR APPLICATIONS)			1,91	92	≥5	≥70	42		
Plugs										
SPI 70 A N1	Plugs injection moulding			1,40	70	≥11	≥300			
SPI 74 A N	Plugs injection moulding			1,45	74	≥11	≥280			

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 25 Kg. plastic sacks, big bags, carton oktabins or in bulk tanker truck.

NOTES

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



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