STIR COMPOUNDS

PVC FOR CABLES

PVC FOR CABLES

Sheathing		Classification				Density	Hardness	Tensile Strenght	Elongation at Break	Oxygen Index	Thermal Stability	Cold Flex
		EN 50363-0	EN 50363-4-1	VDE 0207	Others	ISO 1183 gr/cc	ISO 868 Shore A	ISO 527 N/mm2	ISO 527 %	ISO 4589 %	CEI 20-34/3-2 Minutes	ISO 458/2 C°
General purposes												
SA 62 A C	Sheating music instruments					1,36	62	≥10	≥380			
SA 67 CZ K8 D2 N	Opaque sheathing		TM2			1,47	68	≥11	≥290			
FB 70 CZ FR UV	Low temperature cables					1,29	70	≥17	≥350			-45
SA 70 R CZ N1	General purposes		TM2			1,46	70	≥10	≥330		≥40	
SR 75 REF CZ N	General purposes		TM2	YM2		1,47	74	≥10	≥290		≥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			
SR 83 GUA CZ N4	General purposes		TM1			1,49	82	≥12,5	≥250		≥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		UL 1581 Classe 43	1,36	75	≥13	≥440	25,5	≥70	
AF 79 CZ EL N	General purposes (SUGGESTED FOR CPR APPLICATIONS)	R18	TM2			1,54	81	≥13	≥290	30		
AF 82 CZ BL 1	General purposes		TM1			1,54	82	≥13	≥280	30		
AF 83 CZ ZB N	General purposes (SUGGESTED FOR CPR APPLICATIONS)	R18	TM2			1,59	84	≥12	≥270	29	≥80	
AF 88 2 CZ MAHY	General purposes (SUGGESTED FOR CPR APPLICATIONS)	R16				1,62	86	≥13,5	≥250	36		
AF 86 CZ	FRLS cables (Hcl ≤16%)		TM1			1,46	86	≥15	≥280	29		
AF SG 88 A OIL C	Hydrocarbons and oil resistant sheathing		TM5			1,39	87	≥17	≥360	27,5		-16
Sheathing for high temperatures												
AF SG 76 HT 105 CZ OIL	Operating temperature 105°C (Oil resistant)		TM5		UL 1581 Classe 43	1,39	76	≥16	≥240	28	≥300	
SR 77 HT 90 CZ	Operating temperature 90°C		TM3			1,36	77	≥14	≥240		≥240	
SR 79 HT 105 CZ TM	Operating temperature 105°C					1,38	79	≥14	≥240		≥240	
AF SG 84 HT 90 CZ OIL	Operating temperature 90°C (Oil resistant)		TM5		UL 1581 Classe 43	1,50	84	≥15	≥240	28	≥300	

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Insulation		Classification				Density	Hardness	Tensile Strenght	Elongation at Break	Oxygen Index	Thermal Stability	Cold Flex	Volume Resistivity @23°C
		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 Minutes	ISO458/2 C°	ASTM D 257Ω cm
General purposes													
SR 82 FR CZ	Low temperature 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		T1			1,36	90	≥17	≥300		≥100		$1X10^{14}$
SR 90 CZ LIB	General purposes			YI4		1,46	90	≥16	≥280		≥120	-40	
SR 90 CZ GC	General purposes				HD602DIV4	1,47	90	≥14	≥280		≥120		
SR 90 CZ N	General purposes		T1			1,51	90	≥15	≥200		≥60		$9X10^{3}$
SR 90 CZ EL D1	General purposes			YI1 YI2		1,54	90	≥14	≥240		≥50	-30	$8X10^{3}$
Flame-Retardant insulation													
AF 91 A C ZB	General purposes	R2			IEC60332-3	1,51	89	≥14	≥260	29	≥50	-23	
AF 90 CZ ZB CE	General purposes (SUGGESTED FOR CPR APPLICATIONS)	S18				1,57	90	≥15	≥240	29			
AF 90 CZ ZB CE3	General purposes (SUGGESTED FOR CPR APPLICATIONS)	S17				1,44	90	≥16	≥240	30			
AF 92 CZ BL	General purposes		TI1			1,55	92	≥16	≥240	32,5			
AF 96 CZ ZB	General purposes		TI1			1,58	96	≥13	≥220	29			
Insulation for high temperatures													
SR 90 HT 90 CZ D	Operating temperature 90°C (automotive)				ISO 6722-1 Classe A	1,31	90	≥16	≥280		≥240		
SR 91 HT 90 CZ5	Operating temperature 90°C		TI3			1,39	91	≥14	≥230		≥240		$1X10^{14}$
SR 92 HT 105 CZ C	Operating temperature 105°C (automotive)				ISO 6722-1 Classe B	1,34	92	≥16	≥280		≥300		$1X10^{14}$
SR 94 HT 105 CZ1	Operating temperature 105°C					1,40	94	≥19	≥270	26	≥300		$1X10^{15}$
SR 96 HT 125 K8 CZ C	Operating temperature 125°C (automotive)				ISO 6722-1 Classe C	1,29	96	≥20	≥260		≥420		$1X10^{14}$

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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	ISO 458/2 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)		UL 1581 Classe 43	1,24	89	≥ 20	≥ 330			
Bedding										
IN 3080 CZ N	Bedding			1,82	85	≥ 5	≥200			
IN 3340 AF CZ N	Flame retardant bedding (suggest for CPR application)			1,95	87	≥ 5	≥ 180	37		
IN 92 AF CZ	Flame retardant bedding (suggest for CPR application)			1,97	92	≥ 5	≥ 140	43		
Plugs										
SPI 70 A N1	Plugs injection moulding			1,40	70	≥ 11	≥ 300			
SPI 78 A N	Plugs injection moulding			1,51	78	≥ 11	≥ 250			

STORAGE
These compounds must be stored at ambient temperature (not exceeding 30°) in closed and unbroken packaging in order to avoid exposure to sunlight and water absorbation.

Packaging
Available in 25kg plastic bags, carton oktabins or in silos 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 for the use of the interested product.
The techical 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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