



CABLE INDUSTRY

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Sheathing		Classification				Density	Hardness	Tensile Strength	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/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			
SA 67 CZ K8 D2 N	Opaque sheathing		TM2			1,47	68	≥11	≥290			
SA 72 CZ FR	Low temperature cables					1,19	69	≥18	≥390			
SA 70 CZ KA N	General purposes		TM2			1,43	70	≥12,5	≥330		≥40	
SA 74 A C @	General purposes		TM2	YM2		1,43	74	≥10	≥290		≥40	
SG 79 A OIL C	Hydrocarbons and oil resistant		TM5			1,36	75	≥13	≥420		≥70	-40
SA 76 A @	General purposes		TM1	YM1		1,34	75	≥16	≥300		≥50	
SR 78 REF CZ N	General purposes		TM2			1,48	78	≥12,5	≥330			
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 D	General purposes		TM2			1,52	84	≥11,5	≥250		≥78	
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 application)	RZ	TM2			1,54	81	≥13	≥290	30		
AF 82 CZ BL 1	General purposes		TM1			1,54	82	≥13	≥280	30		
AF 82 1 CZ MAHY	General purposes		RZ			1,68	82	≥13,5	≥280	34,5		
AF 83 CZ ZB N	General purposes (suggested for CPR application)		TM2			1,59	84	≥12	≥270	29	≥80	
AF 86 CZ	FRLS cables (Hcl ≥16%)	RZ	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												
SA 77 HT 90 CZ	Operating temperature 90°C		TM3			1,36	77	≥14	≥340		≥240	
SR 79 HT 105 CZ	Operating temperature 105°C				UL 1581 classe 43	1,38	79	≥14	≥270		≥300	-30
AF 89 HT 90 CZ C	Operating temperature 90°C				UL 1581 classe 43	1,47	87	≥13	≥280	27,5	≥300	-28
SR 90 HT 90 CZ R	Operating temperature 90°C			YM4		1,42	90	≥16	≥240		≥120	

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Insulation	Classification				Density	Hardness	Tensile Strength	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/mm ²	ISO 527 %	ISO 4589 %	CEI 20-34/3-2 Minutes	ISO 458/2 °C	ASTM D 257 Ω.cm	
General purposes													
SR 82 FR CZ	Low temperature insulation		T14		1,26	82	≥18	≥380					
SR 90 CZ D KA	General purposes		T12		1,59	90	≥11	≥200					
SR 91 FAC CZ 1	Telephone Cables		T11		1,36	90	≥17	≥300		≥100		1x10 ¹⁴	
SR 90 CZ LIB	General purposes		Y14		1,46	90	≥16	≥280		≥120			
SR 90 CZ GC	General purposes		HD602 DIV4		1,47	90	≥14	≥280		≥120			
SR 91 CZ SKF N1	General purposes		T11		1,55	91	≥15	≥200		≥60		9x10 ¹³	
SR 91 A C @	General purposes		Y11 Y12		1,54	91	≥14	≥240		≥50	-30	8x10 ¹³	
Flame-retardant Insulation													
AF 91 A CZB	General purposes		R2		IEC 60332-3	1,51	89	≥14	≥260	29	≥50	-23	
AF 90 CZ ZB CE	General purposes (suggested for CPR application)		R2		IEC 60332-3	1,57	90	≥15	≥240	29			
AF 92 CZ BL	General purposes		T11			1,55	92	≥16	≥240	32,5			
AF 93 CZ S	General purposes		T11			1,47	90	≥16	≥280	29	≥120		
AF 96 CZ ZB	General purposes		T11			1,58	96	≥13	≥220	29			
Insulation for high temperatures													
SR 90 HT 105 CZ3	Operating temperature 105°C					1,39	89	≥16	≥240		≥180	-19	1x10 ¹⁴
SR 90 HT 80 CZ R	Operating temperature 80°C		Y17			1,42	90	≥16	≥250		≥120		
SR 91 HT 90 CZ RM	Operating temperature 90°C		T13			1,42	90	≥16	≥270		≥140	1x10 ¹⁴	
SR 94 HT 105 CZ 1	Operating temperature 105°C					1,40	94	≥19	≥270	26	≥300	1x10 ¹⁵	
SR 95 HT 125 K8 CZ C	Automotive cables low thickness		ISO 6722-1 classe B			1,31	93	≥18	≥260		≥420	1x10 ¹⁴	

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EN 50363	Others	ISO 1183 gr/cc	ISO 868 Shore A	ISO 527 N/mm ²	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)	UL1581 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 (suggested for CPR application)		1,95	87	≥5	≥180	37	
IN 91 AF CZ	Flame retardant bedding low migration		1,98	91	≥6	≥140	42	

Plugs

SPI 71 AT N	Plugs injection moulding		1,43	68	≥10	≥250		
SPI 78 ATC N	Plugs injection moulding		1,37	77	≥12	≥300		

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 bags, big bags, carton oktabin 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 technical information shown derive from our laboratory tests and are indicative and not strictly binding.

Stir Compound s.r.l. so will never be considered responsible for the results obtained by using its products in other production processes.



Stir Compounds s.r.l.

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