



jaguar industries inc

• WIRE • CABLE • TUBING

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SHRINK TUBING J-295

MIL-I-23053/6

DESCRIPTION: JAGUAR J-295 TUBING IS AN ELECTRICAL GRADE SEMI-RIGID POLYOLEFIN PRODUCT RATED FOR -55°C TO 135°C CONTINUOUS OPERATION AND CAN STAND ELEVATED TEMPERATURES OF 300°C FOR SHORT PERIODS. IT IS TYPICALLY USED IN STRAIN RELIEF APPLICATIONS AND FOR INSULATING MECHANICALLY WEAK AREAS SUCH AS WIRE SPLICES, TERMINATIONS AND SOLDER JOINTS.

SPECIFICATIONS: MIL-I-23053/6, CLASS 1, 2; AMS-3638, AMS-3639; UL.

MATERIAL: POLYOLEFIN, SHRINK RATIO 2:1.

TEMPERATURE RATING: -55°C TO 135°C.

STANDARD COLORS: (CLASS 1, FLAME RETARDANT) 3/64" YELLOW, 1/16" WHITE, 3/32" BLUE, 1/8" RED, 3/16" GREEN, 1/4" GRAY, 3/8" BROWN, 1/2" WHITE. BLACK AND OTHER COLORS AVAILABLE. (CLASS 2, NON-FLAME RETARDANT) CLEAR.

PACKAGING: 4 FOOT LENGTHS.*

ORDERING INFORMATION: SPECIFY JAGUAR CATALOG NO. AND COLOR.

CATALOG NO. 4 FT LENGTHS	ORDER	EXPANDED I.D.		RECOVERED I.D.		RECOVERED WALL	
	SIZE in.	(MINIMUM) in. (mm)	(MAXIMUM) in. (mm)	(NOMINAL) in. (mm)	(NOMINAL) in. (mm)	(NOMINAL) in. (mm)	(NOMINAL) in. (mm)
J-295 LU 3/64	3/64	.046 (1,17)	.023 (0,58)	.020 (0,51)			
J-295 LU 1/16	1/16	.063 (1,60)	.031 (0,79)	.020 (0,51)			
J-295 LU 3/32	3/32	.093 (2,36)	.046 (1,17)	.020 (0,51)			
J-295 LU 1/8	1/8	.125 (3,18)	.062 (1,57)	.020 (0,51)			
J-295 LU 3/16	3/16	.187 (4,75)	.093 (2,36)	.025 (0,64)			
J-295 LU 1/4	1/4	.250 (6,35)	.125 (3,18)	.025 (0,64)			
J-295 LU 3/8	3/8	.375 (9,53)	.187 (4,75)	.030 (0,76)			
J-295 LU 1/2	1/2	.500 (12,70)	.250 (6,35)	.030 (0,76)			

* ALSO AVAILABLE AS CUT PIECES, CONSULT FACTORY.

TYPICAL PROPERTIES

PHYSICAL

TENSILE STRENGTH 2600 PSI
 ULTIMATE ELONGATION 400%
 LONGITUDINAL CHANGE ± 5%
 SECANT MODULUS (2%) 4.5X10⁴ PSI
 SPECIFIC GRAVITY 1.25 (BLACK)
 .95 (CLEAR)
 HEAT AGING (336 HRS. @ 175°C) ELONGATION 175%

HEAT SHOCK (4 HRS. @ 250°C) NO DRIPPING OR CRACKING
 PASSES MANDREL WRAP TEST
 LOW TEMPERATURE FLEXIBILITY (4 HRS @ -55°C) NO CRACKING
 FLAMMABILITY SELF EXTINGUISH (CLASS 1 ONLY)

ELECTRICAL

DIELECTRIC STRENGTH 800 V/MIL

VOLUME RESISTIVITY 10¹⁵ OHM-CM

CHEMICAL

CORROSIVE EFFECT NON-CORROSIVE
 SOLVENT RESISTANCE
 TOTAL STRENGTH 1600 PSI
 DIELECTRIC STRENGTH 400 V/MIL
 WATER ABSORPTION 0.2%
 FUNGUS RESISTANCE NON-NUTRIENT

PROPERTIES INFORMATION IS TYPICAL DATA ONLY AND SHOULD NOT BE USED FOR SPECIFICATION REQUIREMENTS.