



# jaguar industries inc

• WIRE • CABLE • TUBING

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## SHRINK TUBING J-421

## MIL-I-23053/5

**DESCRIPTION:** JAGUAR J-421 SHRINK TUBING IS AN ELECTRICAL GRADE FLEXIBLE POLYOLEFIN PRODUCT RATED FOR -55°C TO 135°C CONTINUOUS OPERATION AND CAN STAND ELEVATED TEMPERATURES FOR SHORT PERIODS. IT IS TYPICALLY USED AS A SHRINK FIT COVER WHERE VARIATIONS IN SIZES OF THE SUBSTRATE REQUIRE A MATERIAL WITH A SHRINK RATIO GREATER THAN 2:1. MINIMUM SHRINK TEMPERATURE IS 121°C.

**SPECIFICATION:** MIL-I-23053/5, CLASS 1 OVEREXPANDED.

**MATERIAL:** POLYOLEFIN, SHRINK RATIO 4:1.

**TEMPERATURE RATING:** -55°C TO 135°C.

**STANDARD COLOR:** BLACK.

**PACKAGING:** 4 FOOT LENGTHS.\*

**ORDERING INFORMATION:** SPECIFY JAGUAR CATALOG NO.

CATALOG NO. 4 FT LENGTHS	ORDER SIZE	EXPANDED I.D. (MINIMUM)		RECOVERED I.D. (MAXIMUM)		RECOVERED WALL (NOMINAL)	
	in.	in.	(mm)	in.	(mm)	in.	(mm)
J-421 LU 1	1	1.000	(25,40)	.275	(6,99)	.045	(1,14)
J-421 LU 1 1/2	1 1/2	1.500	(38,10)	.375	(9,53)	.045	(1,14)
J-421 LU 2	2	2.000	(50,80)	.550	(13,97)	.045	(1,14)
J-421 LU 3	3	3.000	(76,20)	.810	(20,57)	.045	(1,14)
J-421 LU 4	4	4.000	(101,60)	1.050	(26,67)	.045	(1,14)

\* ALSO AVAILABLE AS CUT PIECES, CONSULT FACTORY.

## TYPICAL PROPERTIES

### PHYSICAL

TENSILE STRENGTH	2400 PSI
ULTIMATE ELONGATION	400%
LONGITUDINAL CHANGE	+5,-50%
SECANT MODULUS (2%)	1.7X10 <sup>4</sup> PSI
SPECIFIC GRAVITY	1.3 (BLACK)
HEAT AGING ELONGATION (336 HRS. @ 175° C)	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

### ELECTRICAL

DIELECTRIC STRENGTH	900 V/MIL
VOLUME RESISTIVITY	10 <sup>15</sup> OHM-CM

### CHEMICAL

CORROSIVE EFFECT	NON-CORROSIVE
SOLVENT RESISTANCE	
TENSILE STRENGTH	1000 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.