



RANDOLPH AUSTIN COMPANY

Cilran™

Cilran is made from a thermoplastic elastomer which possesses exceptional chemical resistance to acids and bases. Cilran has low gas permeability and good flex fatigue resistance. Ideal for use in many laboratory applications, it may be used in place of silicone for some applications. Cilran is translucent white in color and available in lengths up to 500 feet.

Features/Ratings

- USP VI
- Reach Compliant
- RoHS Compliant
- Halogen Free
- FDA Approved Material for Food and Beverage
- Sterilization Methods: EtO, Radiation, and Autoclave

Property	Test Method	Typical Values
Specific Gravity	ASTM D792	0.90
Ultimate Tensile (psi)	ASTM D412	850
Ultimate Elongation	ASTM D412	700
100% Modulus (psi)	ASTM D412	250
Hardness Shore "A"	ISO 868	57
Compression Set 158 F°, 22 Hr.	ASTM D395B	19
Brittleness Temperature (F°)	ASTM D746	
Recommended Working Temp. (F°)	-	

Available Stock Sizes

Catalog No.	I.D.	O.D.	Wall	Pump	Grams / Foot	Working PSI
C003015	0.031	0.156	0.063		3.26	144.8
C006018	0.063	0.188	0.063	250	4.35	82.5
C006021	0.063	0.218	0.078		5.77	97.4
C012025	0.125	0.250	0.063	250	6.69	47.4
C012037	0.125	0.375	0.125		17.39	82.5
C018031	0.188	0.313	0.063		8.62	34.3
C018037	0.188	0.375	0.094	300/500	14.65	47.4
C025037	0.250	0.375	0.063		10.87	27.2
C025043	0.250	0.438	0.094	300/500	17.93	37.6
C025050	0.250	0.500	0.125		26.08	47.4
C031043	0.313	0.438	0.063		13.04	22.8
C031050	0.313	0.500	0.094		21.19	31.5
C037050	0.375	0.500	0.063		15.21	19.7
C037056	0.375	0.563	0.094		24.45	27.2

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C037062	0.375	0.625	0.125	610	34.78	34.3
C037087	0.375	0.875	0.250		86.94	59.6
C043056	0.438	0.563	0.063		17.39	17.4
C050062	0.500	0.625	0.063		19.56	15.6
C050068	0.500	0.688	0.094		30.97	21.6
C050075	0.500	0.750	0.125	610	43.47	27.2
C050087	0.500	0.875	0.188		71.73	37.6
C050100	0.500	1.000	0.250		104.33	47.4
C062081	0.625	0.813	0.094		37.49	18.1
C062087	0.625	0.875	0.125		52.16	22.8
C062093	0.625	0.938	0.156	750	67.92	27.2
C075100	0.750	1.000	0.125		60.86	19.7
C075106	0.750	1.063	0.156	750	78.79	23.5
C075125	0.750	1.250	0.250	880	139.11	34.3
C100125	1.000	1.250	0.125		78.25	15.6
C100137	1.000	1.375	0.188		123.89	21.6
C100150	1.000	1.500	0.250	880	173.88	27.2
C075100	0.750	1.000	0.125		60.86	19.7
C075106	0.750	1.063	0.156	750	78.79	23.5
C075125	0.750	1.250	0.250	880	139.11	34.3
C100125	1.000	1.250	0.125		78.25	15.6
C100137	1.000	1.375	0.188		123.89	21.6
C100150	1.000	1.500	0.250	880	173.88	27.2