

SUMITUBE[®] O2

FLEXIBLE POLYOLEFIN WITH THIN WALL ADHESIVE AUTOMOTIVE BRAKE & FUEL LINE PROTECTION

- RoHS3 Compliant
 Heavy Metals Free
 Halogen Free

TYPICAL FEATURES

- 1) SUMITUBE O2 is a flexible, heat-shrinkable polyolefin tubing with a very thin wall hot-melt adhesive liner which melts and flows, sealing components contained within.
- 2) Shrink temperature is 115°C.
- 3) Operating temperature range is -35°C to +100°C.
- 4) SUMITUBE O2 is specially designed for application on automotive brake or fuel pipes providing mechanical protection and protection against corrosion caused by fluid, water, or chemical penetration.

STANDARD SIZES

NOMINAL SIZE	INSIDE DIAMETER AS SUPPLIED (MIN)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
6	0.236	6.0	0.177	4.5	0.047	1.2
8	0.315	8.0	0.240	6.1	0.051	1.3
10	0.394	10.0	0.311	7.9	0.059	1.5
11.5	0.433	11.0	0.311	7.9	0.059	1.5
12	0.472	12.0	0.177	4.5	0.047	1.2
15	0.591	15.0	0.394	10.0	0.055	1.4

Standard Colors: Black only
Standard Package: Coiled lengths. (Cut to order also available, contact SEIP).
How to Order: (Type of material) (Size) (Color) (Packaging)
Example: O2 6 Black L

O2 SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
Physical: Tensile strength (psi) Elongation (%) Tensile strength after heat aging (psi) Elongation after heat aging (%) Heat shock Longitudinal change (%) Deformation resistance (%) Impact resistance Brittle point (^o C)	ASTM D 2671 ASTM D 2671 120 ^o C for 24 hrs. 120 ^o C for 24 hrs. 200 ^o C / 4 hrs. ASTM D 2671 At 140 ^o C under 28 psi JIS C 3004 ASTM D 746	1700 min. 300 min. 1700 min. 270 min. no cracking, dripping or flowing of outer jacket ± 5 60 min. no cracking - 35 max.
Chemical: Corrosion, 121 C, 16 hrs. Water absorption (%) Fluid resistance H ₂ SO ₄ NaOH Brake Fluid	AS23053 ASTM D570 23 ^o C for 24 hrs. 23 ^o C for 24 hrs. 23 ^o C for 24 hrs.	no corrosion 0.2 max. no cracking or melting no cracking or melting no cracking or melting



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