



Low Permeability Foam

Lok Cel[®]



Initially developed by Plastomer as an air restriction/gasket material used in vehicle HVAC units, this ether-based urethane foam is manufactured and fabricated by Plastomer Corporation, a Polyurethane Foam Association “Hall of Fame” supplier of die cut products for over 61 years.

Lok Cel is used in several iterations as gaskets or seals, condensation insulation on air ducts, and acoustic insulation with or without adhesive backings. Its softness and slow memory displays the closed cell nature and effectiveness of its resistance to air leakage and ease of compression.

Lok Cel replaces open cell materials and affords up to **50% in weight and material savings** since a far thinner part is required to block air flow.

For more information regarding samples, prototypes, or any other foam gasketing application, please contact:

Plastomer Corporation

37819 Schoolcraft Road • Livonia, MI 48150

Ph: (734) 464-0700 www.plastomer.com

Fx: (734) 464-4792 info@plastomer.com

TS-16969 & ISO-14001 Certified
Manufacturer and Fabricator of Flexible Gaskets & Acoustical Products

(See Other Side)

TECHNICAL DATA

(Subject to customization)

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Livonia, MI 48390
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www.plastomer.com

SPECIFICATION	REQUIREMENTS	TEST METHOD
● Restriction to Air Flow	Paint pot air test. No sudden decrease in pressure, but rather gradual (after 30 mins, 10kPa minimum).	Contact Plastomer's technical department at TechDepart@plastomer.com
● Density	27-40 kg/m ³	ASTM D 3574
● Tensile Strength	69 kPa minimum	ASTM D 3574
● Elongation	125% minimum	ASTM D 3574
● Compression Set	15% max @ 50% deflection at 70°C, 22h	ASTM D 3574, Method B
● Tear Resistance	175 N/m minimum	ASTM D 3574
● Odor	Inoffensive	SAE J 1351
● Load Deflection (CDF) - 50%	6.5 kPa maximum	ASTM D 3574, Test C except 65% compression, 20-50 mm thick specimen compressed at 254 mm/min)
● Flammability	Self-extinguishing	FMVSS 302
● Cold Flexibility	No Cracking	SAE J323 (5 hrs @ -40°C)
● Ozone	Rating 1	SAE J 517
● Restriction to Deterioration	No visible degradation	ASTM D 543-14
● Color	Regular (gray or charcoal), Dark, & Midnight	Visual
● Cell Structure	10 cells/mm minimum	Material shall have a homogenous fine cell structure free from large voids or solid spots.
● Low VOC	Meets fogging standards & utilizes formulations of low VOC ingredients.	Contact Plastomer's technical department at TechDepart@plastomer.com

Environmental Impact - Lok Cel is one of Plastomer's EKOHFOAMs[®] that is made with sustainable ingredients for green contribution.

* Among others, Lok Cel meets:

MSAY 326
GMW 16750

SD2-209 PARA 6.2
TSK 6712G-1A40

ESA-M4D200-B
VAM Foam 1A 0B-001