

1.9# Polyether Polyurethane Foam

TECHNICAL DATA SHEET | (EFFECTIVE 26FEB21)

Polyurethane, Polyether

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE (LP1800)	
			MINIMUM	AVERAGE
Cell Structure			Open	
Density		lbs/ft ³	1.90 ± 10%	
		kg/M ³	30.44 ± 10%	
Tensile Strength		psi	10.0	16.0
		kPa	69	110
Elongation		%	125	200
Tear Resistance		pli	1.50	2.50
		N/M	263	438
Compression Force Deflection	25% Deflection	psi	0.21	0.40
		kN/M ²	1.5	2.8
	50% Deflection	psi	0.30	0.50
		kN/M ²	2.1	3.5
Retention of Tensile Strength	5 hours, 120°C, Steam Autoclave	%	70	--
	22 hours, 140°C, Dry Heat Aging	%	70	--
Low Air Permeability	>30 min in "Paint Pot Test	--	Restriction to Air Flow (5 - 1.5 psig)	
Flammability*	FMVSS 302 ⁺	--	Meets Requirement	
REACH	REACH (EC1907/2006)	--	Compliant	
General Motors	GM251M type 1	--	Meets Requirement	
Chrysler	MS-AY326	--	Meets Requirement	
Ford	ESA-M4D200-B with exception to CFD 65%		Meets Requirement	
Toyota	TSK6712G-1A-40-N	--	Meets Requirement	

* The flammability test(s) described in this specification is/are small scale test procedure(s) performed under controlled laboratory conditions, and is/are not intended herein to reflect the hazards presented by this or any other material under actual fire conditions.

+ FMVSS 302 is a test procedure that specifies the burn resistance requirements for material used in the occupant compartments of motor vehicles.