



PIPE-MASTER Pipe Flashing Material Specification

As part of a standard classification system for rubber products these general specifications present conservative engineering minimums which should be used for design criteria.

General Recommendations Must be tested for extreme applications

EPDM Master Flash® Engineering Specifications	SILICONE Master Flash® Engineering Specifications
ASTM D2000 M3 BA510 A14 B13 C12 F17 Z1 Z2 Z3 Z4 Z5 Z6 Z7	ASTM D2000 M4 GE 505 A19 B37 C12 F19 G11 Z1 Z2 Z3 Z4
GRADE 3	GRADE 4
TYPE B GENERAL TEST TEMP 100C	TYPE G GENERAL TEST TEMP 225C
CLASS A VOLUME SWELL NO REQ	CLASS E VOLUME SWELL MAX 80%
5 50 DUROMETER (RANGE)	5 50 DUROMETER (RANGE)
10 TENSILE 10 MPa (APPROX 1450 PSI)	05 TENSILE 5 MPa (MINIMUM 725 PSI)
A14 HEAT AGING 70 hrs @ 100C	A19 HEAT AGING 70 hrs @ 225C
B13 COMPRESSION SET 22 hrs @ 70C	CHANGE IN HARDNESS MAX + 10 pts
MAX 25% ASTM D395B	CHANGE IN TENSILE MAX -30%
C12 OZONE RESISTANCE	CHANGE IN ULTIMATE ELONGATION MAX -30%
70 hrs @ 50pphm ASTM D1171	B37 COMPRESSION SET 22 hrs @ 175C
100% QUALITY RETENTION	MAX 50% ASTM D395B
F17 LOW TEMPERATURE BRITTLINESS	C12 OZONE RESISTANCE
3 min @ -40C PASS ASTM D2137 A, 9.3.2	70 hrs @ 50pphm PASS ASTM D1171
Z1 55 DUROMETER (SPECIFIC TARGET)	F19 LOW TEMPERATURE BRITTLINESS
Z2 EPDM (SPECIFIC ELASTOMER)	3 min @ -40C PASS ASTM D2137 A, 9.3.2
Z3 HORIZONTAL FLAME RESISTANCE, UL 94	G11 TEAR RESISTANCE, ASTM D-624, DIE "B"
NOT TO EXCEED 3" / min	Z1 55 DUROMETER (SPECIFIC TARGET)
Z4 OZONE RESISTANCE ADVANCED REQUIREMENT	Z2 SILICONE (SPECIFIC ELASTOMER)
70 hrs @ 500 pphm @ 100F	Z3 HORIZONTAL FLAME RESISTANCE, UL 94
Z5 ACCELERATED WEATHERING RESISTANCE	NOT TO EXCEED 3" / min
(U.V. LIGHT), ASTM G-53	Z4 OZONE RESISTANCE ADVANCED REQUIREMENT
Z6 TEAR RESISTANCE, ASTM D-624, DIE "C"	70 hrs @ 500 pphm @ 100F
Z7 RESISTANCE TO DISCOLORATION, ASTM D-1148 (GREY ONLY)	

The "Z" Parameters are proprietary standards adopted by Aztec Washer to more clearly indicate the type of material and its superior performance characteristics as related to the typical pipe flashing environment.

NOTE: the additional of "Z3" to assure compliance with international building codes and "Z4" which clearly exceeds the performance required by the industry standard, "C12".

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