

# Specification Sheet / 01

## A320 / 120 Black Closed Cell EPDM/CR Sponge



Certificate No. 11738-EMS-001  
ISO 9001:2015 ISO 14001:2015

| Requirement / Specification                                      | Specification Limits       | Test Method                        |
|------------------------------------------------------------------|----------------------------|------------------------------------|
| Size - skin / skin (mm)                                          | 2000 x 1000 x 54 (±4)      |                                    |
| Compression @ 25% Deflection (kPa)                               | 45 (+/- 10%) kPa           | ASTM D1056 : 2007                  |
| Compression Deflection @ 50% (kPa)                               | 100 (+/- 10%) kPa          | ASTM D1056 : 2007                  |
| Density (kg/M <sup>3</sup> )                                     | 115 ± 10%                  | ASTM D 3573 : 2008                 |
| Water absorption, max. change in weight (%)                      | 4 (+/-) 10%                | ASTM D1056 : 2007                  |
| Heat ageing test (100°C +/- 1°C, 72h) change in tensile strength | 25 ± 10%                   | ASTM D 1056 : 2007                 |
| Heat ageing test (100°C +/- 1°C, 72h) change in elongation       | -15 ± 10%                  | ASTM D 1056 : 2007                 |
| Flammability FMVSS 302                                           | Burn Rate < 100mm          | Pass                               |
| Flammability UL94 HBF                                            |                            | Pass                               |
| Elongation at Break (%)                                          | 120 (+/-) 10 %             | ASTM D 3575 : 2008                 |
| Tensile Strength (kPa)                                           | 400 (+/-) 10%              | ASTM D 3575 : 2008                 |
| Heat Resistant (°C)                                              | 140(+/-) 20                | -40 TO + 85 °C                     |
| Resistance to Air + UV                                           |                            | Excellent                          |
| Resistance to Oil                                                |                            | Poor                               |
| Resistance to Acids                                              |                            | Good                               |
| Environmental Protection                                         |                            | CFC and HFC free / Can be recycled |
| Specification                                                    | ASTM D1056-00 AFNOR 99-211 | 2A2 B2C 2CO8/3C08 B3 C2            |

This material passes the 3C08 requirements but the majority polymer is EPDM

| Change Control Date | Change  |
|---------------------|---------|
| 30/07/2013          | Created |
| 24/11/22            | Updated |



The above figures are average values.  
We recommend that you examine any material you select to ensure its suitability for your application.  
Tolerance(s) applied in accordance with ASG specification No W1007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.  
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

