



AMORIM

AMORIM CORK COMPOSITES

**MATERIAL SPECIFICATION
Sheets**

Grade: SP51 (267)

Approved by:

Binder: Hypalon Rubber

Revision: 02

Cork Granule Size: .5-1 mm

Effective: 03/10/13

Physical Properties:

| Test Method | Property | Specification |
|--------------------|--|----------------------|
| ASTM D2240 | Durometer, Shore A (pts) | 45 – 60 |
| ASTM F-1315 | Density (kg/m ³) | 480 – 720 |
| ASTM F 152 | Tensile Strength, (Mpa) | 0.86 min. |
| ASTM F 36 | Compressibility (400 psi), (%) | 40 – 60 |
| ASTM F 36 | Recovery, (%) | 80% min. |
| ASTM F 147 | Flexibility, initial (F=5) | No cracks |
| ASTM D395 | Compression Set, Method A, 22 hrs., 70°C (%) | 80 max. |

Properties after aging:

| Test Method | Property | Specification |
|--------------------|---|----------------------|
| ASTM F 146 | Volume Change, ASTM #1, 168 hrs. at 121°C (%) | -25 max. |
| | Volume Change, IRM 903, 168 hrs. at 121°C (%) | +25 max. |
| | Volume Change, Fuel A, 22 hrs. at RT (%) | +15 max. |