



AMORIM

AMORIM CORK COMPOSITES

## MATERIAL SPECIFICATION

### Rolls

**Grade: HC50 (294)**

**Approved by:**

**Binder: Nitrile Rubber**

**Revision: 02**

**Cork Granule Size: 1-2 mm**

**Effective: 03/06/16**

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### Physical Properties:

Test Method	Property	Specification
ASTM D2240	Hardness, Shore A	50 – 70
ASTM F1315	Density (kg/m <sup>3</sup> )	560 – 800
ASTM F152	Tensile Strength (Mpa)	1.20 min.
ASTM F36	Compressibility (400 psi), (%)	30 – 50
ASTM F36	Recovery, (%)	80% min.
ASTM F147	Flexibility, initial (F=5)	No cracks
ASTM D395	Compression Set, Method A, 22 hrs., 70°C (%)	50 max.

### Properties after aging:

Test Method	Property	Specification
ASTM F146	Volume Change, ASTM #1, 70 hrs. at 100°C (%)	-10 to +10
	Volume Change, IRM 903, 70 hrs. at 100°C (%)	-5 to +10
	Volume Change, Fuel A, 22 hrs. at RT (%)	-5 to +10