



AMORIM

AMORIM CORK COMPOSITES

MATERIAL SPECIFICATION

Sheets

Grade: HC50 (237)

Approved by:

Binder: Nitrile Rubber

Revision: 12

Cork Granule Size: 1-2 mm

Effective: 03/07/21

Physical Properties:

Test Method	Property	Specification
ASTM D2240	Hardness, Shore A	50 - 70
ASTM F1315	Density (kg/m ³)	512 – 673
ASTM F152	Tensile Strength (Mpa)	1.38 min.
ASTM F36	Compressibility (400 psi), (%)	35 – 45
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 (%)	-5 to +15
	Volume Change, IRM 903, 70 hrs. at 100°C (%)	0 to +20
	Volume Change, Fuel A, 22 hrs. at RT (%)	-2 to +10