



**AMORIM**

AMORIM CORK COMPOSITES

**MATERIAL SPECIFICATION  
Sheets**

<b>Grade:</b>	<b>HC80 (239)</b>	<b>Approved by:</b>	
<b>Binder:</b>	<b>Nitrile Rubber</b>	<b>Revision:</b>	<b>23</b>
<b>Cork Granule Size:</b>	<b>.5-1 mm</b>	<b>Effective:</b>	<b>03/10/07</b>

**Physical Properties:**

<b>Test Method</b>	<b>Property</b>	<b>Specification</b>
ASTM D2240	Durometer, Shore A (pts)	65 – 86
ASTM F-1315	Density (kg/m <sup>3</sup> )	832 – 1088
ASTM F 152	Tensile Strength, (Mpa)	1.72 min.
ASTM F 36	Compressibility (400 psi), (%)	10 – 25
ASTM F 36	Recovery, (%)	75% min.
ASTM F 147	Flexibility, initial (F=5)	No cracks
ASTM D395	Compression Set, Method A, 22 hrs., 70°C (%)	40 max.

**Properties after aging:**

<b>Test Method</b>	<b>Property</b>	<b>Specification</b>
ASTM F 146	Volume Change, ASTM #1, 70 hrs. at 100°C (%)	-10 to +10
	Volume Change, IRM 903, 70 hrs. at 100°C (%)	-8 to +15
	Volume Change, Fuel A, 22 hrs. at RT (%)	-5 to +10