VC7900

Recycled rubber

VC7900 is an engineered polyurethane-bound recycled rubber-granulate material with a profiled surface.

This product is suitable for vibration control in construction, used as a mat or strip for ultra low loads, to reduce vibration, absorb shock and structural borne noise.

TECHNICAL FEATURES

- Compression Set (%) ©: 6.8
- Tensile Strength (MPa) ©: >0.35 (51 psi)
- Elongation at break (% ©): >75
- Tear-Resistance (N/mm) ©: >6.697
- Flammability ©: B2
- Density (Kg/m³): 710 (44 lb/ft³)

FEATURES

- Revalorised product
- Supplied in rolls, sheets or strips
- Available in a width of 1000 or 1250mm and up to a length of 10m.

WORK LOAD RANGE [MPA]

![Work Load Range Graph]

LOAD RANGE

Permanent static (MPa): 0.025–0.070 (3.6–10.2 psi)

E-MODULE

- Static (MPa) ©: 0.04–0.25 (6–36 psi)
- Dynamic (MPa) ©: 0.27–1.60 (39–232 psi)

DYNAMIC STIFFNESS [N/MM²]

![Dynamic Stiffness Graph]
**SELECTION GUIDELINE**

Material selection can be made using the Static/Dynamic E-Module in the respective load range or using the Vibration Isolation Level Abacus below:

- Based on the machine/system disturbing frequency select the desired isolation level based on the material thickness and respective natural frequency for the specific load/stress.

- Determine the material compression from the deflection curve at the specific load/stress.

- Creep effect can be added to the above deflection via the Creep deflection graph calculating the additional deflection and adding.

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**MATERIAL DATA SHEET VC7900**

The data provided in this Material Data Sheet represents typical values. This information is not intended to be used as a purchasing specification and does not imply suitability for use in a specific application. Failure to select the proper product may result in either equipments damage or personal injury. Please contact Amorim Cork Composites regarding specific application recommendations. Amorim Cork Composites expressly disclaims all warranties, including any implied warranties or merchantability or of fitness for a particular purpose. Amorim Cork Composites is not liable for any indirect special, incidental, consequential, or punitive damages as a result of using the information listed in this MDS. Any of its material specification sheets, its products or any future use or re-use of them by any person or entity. For contractual purposes, please request our Product Specifications Sheet (PDA).