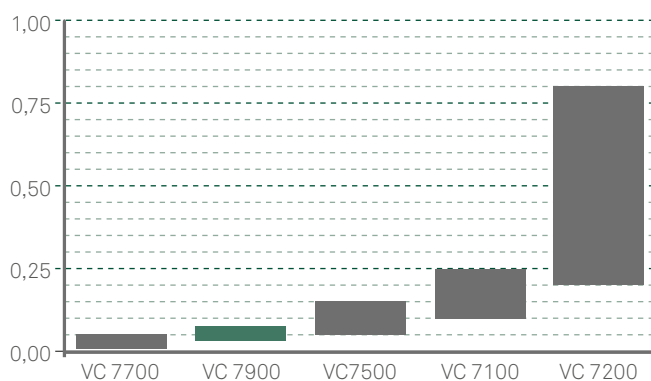


VC7900

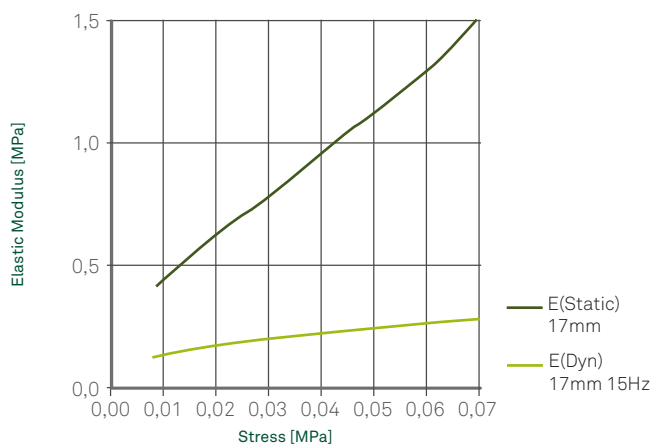
Material Data Sheet

RECYCLED RUBBER

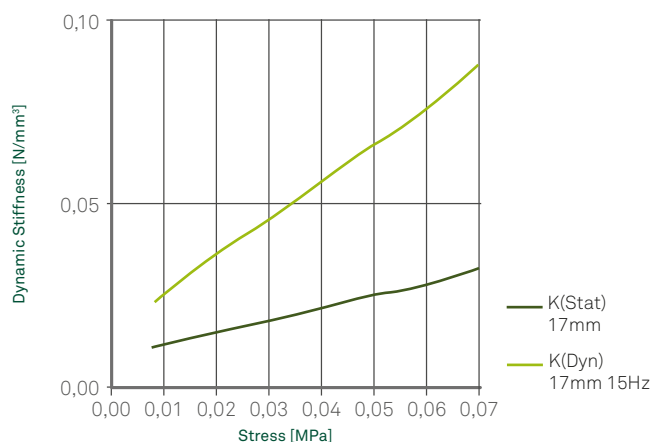
WORK LOAD RANGE [MPa]



ELASTIC MODULUS [MPa]



DYNAMIC STIFFNESS [N/mm³]



VC 7900 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.

LOAD RANGE

- **PERMANENT STATIC** 0,025-0,070 MPa (3,6 - 10,2 psi)

E-MODULE

- **STATIC** ⁽¹⁾ 0,04-0,25 MPa (6 - 36 psi)
- **DYNAMIC** ⁽²⁾ 0,27-1,60 MPa (39 - 232 psi)

(1) DIN 53513 (ADAPTED) - TANGENTIAL MODULUS
(2) DIN 53513 (ADAPTED) - DEPENDING ON LOAD AND FREQUENCY

Compression Set (%) ⁽¹⁾	6,8
Tensile Strength (MPa) ⁽²⁾	>0,35 (51 psi)
Elongation at break (%) ⁽²⁾	>75
Tear- Resistance (N/mm) ⁽³⁾	>6,497
Flammability ⁽⁴⁾	*B2
Density (Kg/m ³) ⁽⁵⁾	710 (44 lb/ft ³)

(1) DIN 53572 - MEASURED 30MIN AFTER DECOMPRESSION WITH 50% DEFORMATION / 23°C AFTER 72H
(2) DIN 53571
(3) DIN 53515
(4) DIN 4102
(5) DIN D297
* B2 = NORMAL FLAMMABLE

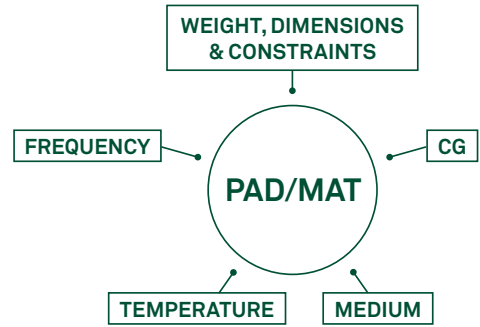
FEATURES

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

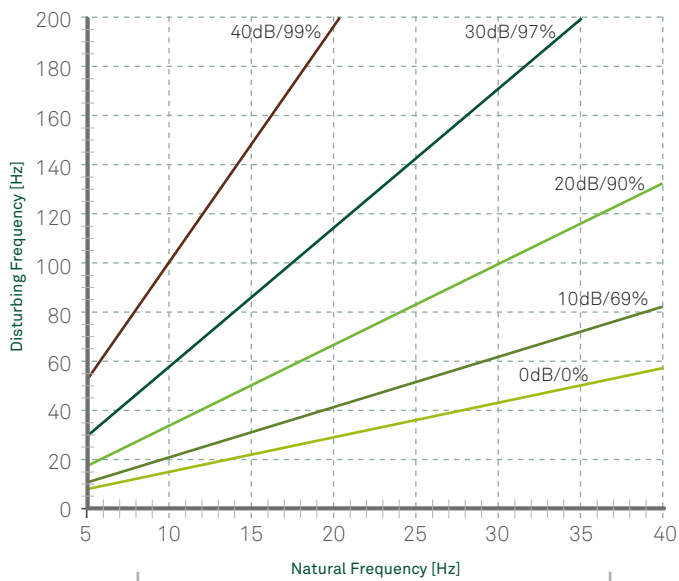
Selection Guideline

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

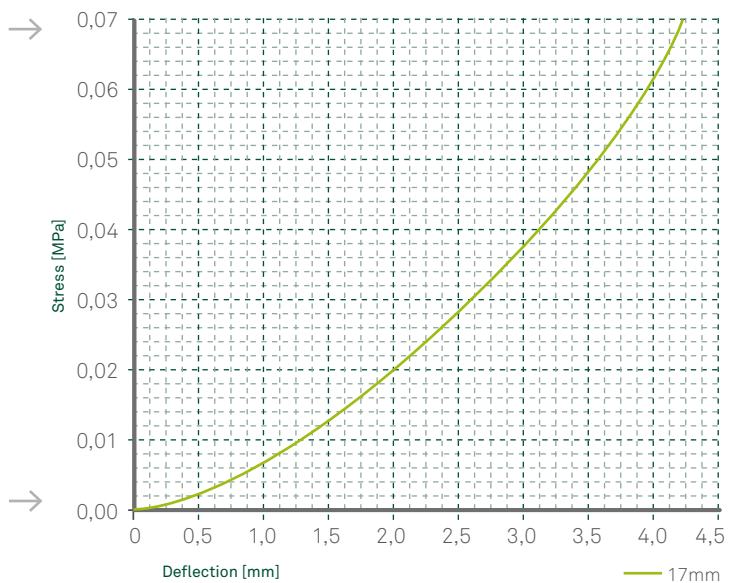
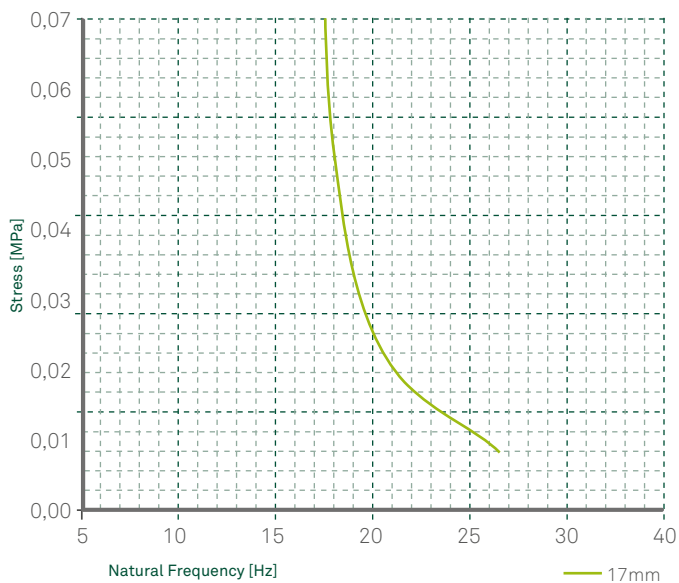
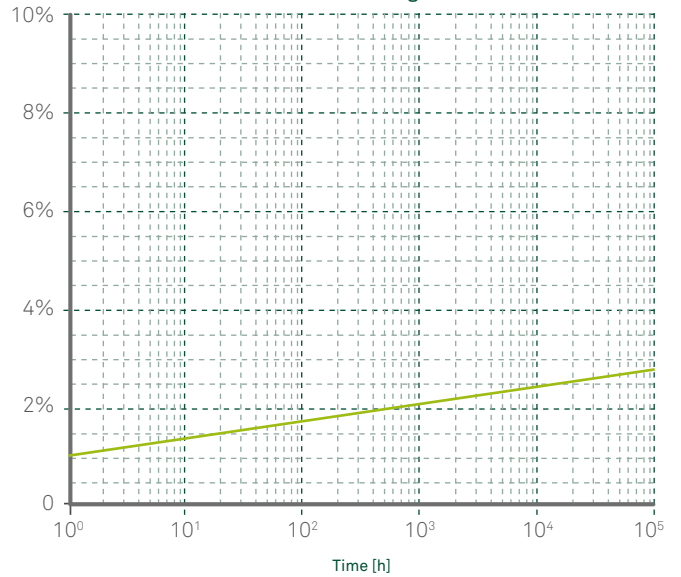
- Based on the machine/system disturbing frequency select the desired isolation level based on the material thickness and respective natural frequency for the specific load/ stress.
- Determine the material compression from the deflection curve at the specific load/ stress.
- Creep effect can be added to the above deflection via the Creep deflection graph calculating the additional deflection and adding.



Vibration Isolation



Creep Deflection @ 0.035 MPa
[% of start height]



Note: Samples tested - 300x300 [mm]