

Material Data Sheet



WRAS Approved Silicone

Description:

A specially developed silicone material, which is used as a liner in hoses that will carry drinking water.

This rubber compound retains all the desirable properties of silicone elastomers in terms of temperature range and durability but in addition is non-tainting, toxicologically inert, and will not support bacterial growth.

This material is recognised by the Water Regulations Advisory Scheme (WRAS) and carries their certificate number 0412511.

This material can be incorporated into standard silicone hoses or for more demanding applications, for instance in the Rail Transport sector, a flame retardant - low smoke low toxicity outer may be used.

Property	Result
Hardness (IRHD)	60° ±5°
Tensile Strength	9 MPa
Elongation at Break	450 %
Specific Gravity	1.18 ±0.03
Tear Strength	20 KN/m