KM-4040M

KM-4040M is a chemically modified natural rubber product with an embedded stainless steel wire mesh. A patented process chemically binds a hydrophilic agent to the rubber. The hydrophilic agent causes KM-4040M to undergo controlled expansion in the presence of moisture. This expansion capability provides a "double locking" waterstop. KM-4040M stops water by compression from rubber's natural resilience and by moisture induced expansion. When hydrated, KM-4040M will fill any void within the limits of its expansion capability (150% by volume). KM-4040M is a vulcanized product. Since it is cross linked with sulphur in the vulcanization process, it has high tensile and compressive strength plus good restorability. KM-4040M has excellent durability and resistance to chemicals. It can perform in a wide range of solutions such as salt or cement water. KM-4040M is environmentally safe. It does not contain any toxic substance or heavy metals.

Documentation:

- KM-4040M Data Sheet

Tested by press sheet of MC compound. Property values are representative values and not specification values.

Part Number	KM-4040M
Size	(40mm X 40mm (1.6” X 1.6”))
Packaging	6 meters (19.7 feet per case)
Hardness	A33 (JIS K 6253) (ASTM D2240)
Tensile Strength	6 MPa (JIS K 6253) (ASTM D2240)
Elongation	800% (JIS K 6253) (ASTM D2240)
Volume % Change	170% In House
Vulcanization	Yes
Specific Gravity	1.18 (JIS K 6253) (ASTM D2240)
Hydrophilic Agent	Urethane Polymer