

01-TEMPS
TEMPS
CHANGER

02-ESPACE
MATIÈRE
FEU

06-ÉCONOMIE
MÉTIER
INDUSTRIE

02-ESPACE
MATIÈRE

vulcanisation

Vulcanization represents one of the major turning points in the history of materials. Before its development, natural rubber had significant limitations: it deformed when exposed to heat and became brittle in cold weather. The addition of sulfur followed by heat treatment creates stable bonds between the material's molecules. This transformation significantly improves its strength and durability. The term refers to Vulcan, the Roman god of fire and the forge. The choice of this name underscores the idea of a material reshaped by the mastery of heat. Thanks to vulcanization, rubber moved beyond the realm of curiosity to become a leading industrial resource. Tires, gaskets, soles, cables, and thousands of other products benefit from it. Few processes have contributed as much to modern mobility. Vulcanization represents the exemplary convergence of science, industry, and the transformation of the material world.