***Problem:***

What materials will H.O.P.S. be made of?

***Solution:***

Carbon Fiber: used for the thrusters, thruster-arms and bionic boots (Melting temp. of 3500 degrees Celsius- on Earth. Temperature of the combustion of hydrogen in each thruster is around 2300 degrees Celsius- on Mars)

Kevlar: Used for compressed gas fuel tanks and for insulation of the thrusters.

Quartz: Piezoelectric material that coats part of the gloves.