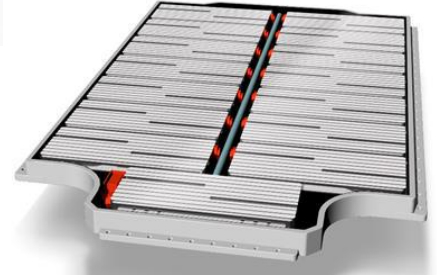


# Genestar™



## Cooling Tubes for thermal management



GENESTAR™ is a brand name of heat resistant polyamide developed by Kuraray. GENESTAR™ PA9T series in that brand is a well-balanced long-chain polyphthalamide (PPA) that combines low water absorption and high mechanical properties over a broad temperature range.

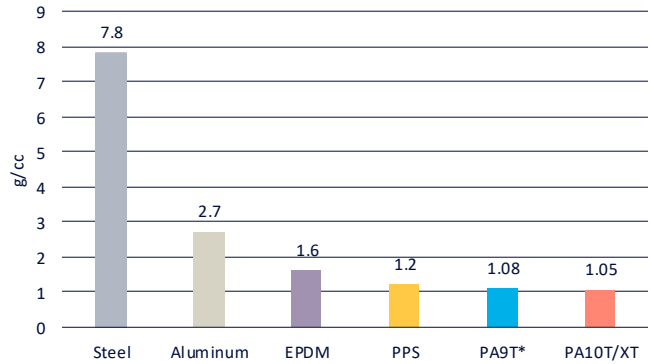
With the concern of pollution and the need to create a sustainable future, there is a push for automobiles to produce lower carbon dioxide. One way to reduce the amount of carbon dioxide from automobiles is the use of batteries instead of fuel. However, the efficiency of batteries is dependent on the temperature of the batteries. Batteries need to be cooled down sufficiently to ensure a longer life.

GENESTAR™ PA9T offers the automotive industry with a monolayer polyamide solution which can be used for high service temperature as well as offers good durability against the coolant. The benefits are summarized below:

- Excellent mechanical properties after exposure to long-life coolant (LLC)

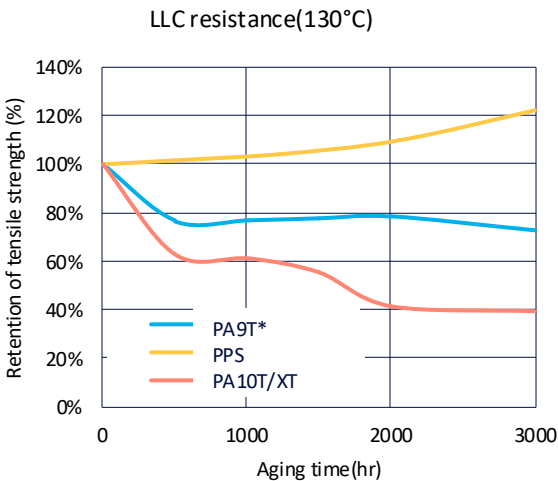
- Weight reduction  
GENESTAR™ is 10% lighter than PPS, and 60% lighter than Aluminum.  
-Leading to reduced CO2 emissions  
-Leading to enhanced range extension

Density of each material



If the information in this article is of interest to you, please find the contact details below to get in touch with us.

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\*GENESTAR™ Development grade

