

Genestar™

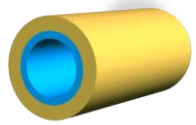


Fuel tube application

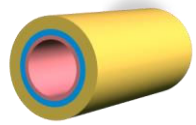
GENESTAR™ is a brand name of heat resistant polyamide developed by Kuraray.

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 changes in regulations in many countries, the evaporative emission regulations for passenger cars have become a huge challenge to the automotive industry. The need for low permeation materials, which are cost effective, comes at a higher importance because current materials are not able to meet the new regulations. Fuel tubes may need to be conductive or non-conductive depending on the applications. The two tube structures with PA9T can be found below.



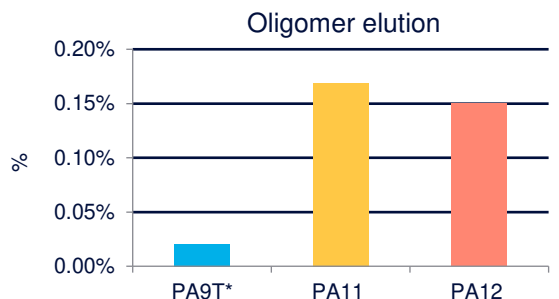
Non-conductive fuel line



Conductive fuel line

GENESTAR™ advantages in conductive and non-conductive fuel lines include the following:

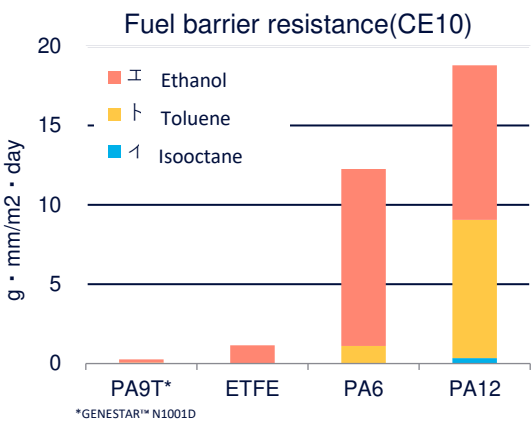
- Good barrier properties



It may be interesting to note that with GENESTAR™, a 2-layered structured tube is sufficient to meet the new regulations for non-conductive tubes. A 3-layered structured tube is sufficient to meet the new regulations for conductive tubes. This will save the tube manufacturer with investment costs while still able to achieve the targeted regulations.

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

Kuraray India Private Limited
 World Trade Tower, Unit No.1620, 16th Floor,
 WTT Tower-B, Plot No.C-1, Sector -16, Noida -201301, Uttar Pradesh, India.
 Tel +91 120 6923800.
 Email: genestar.in@kuraray.com
 Website: www.genestar.kuraray.com/en/



Wash out resistance (amount of oligomer extracted from the polymers)

GENESTAR™ is a registered trademark of Kuraray Co., Ltd. Trademark may not be applied for or registered in all countries. The information, recommendations and details given in this document have been compiled with care and to our best knowledge and belief. They do not entail an assurance of properties above and beyond the product specification. The user of our products is responsible for ensuring that the product is suitable for the intended use and conforms to all relevant regulations. Kuraray Co., Ltd. and its affiliates do not accept any guarantee or liability for any errors, inaccuracies or omissions in this document.