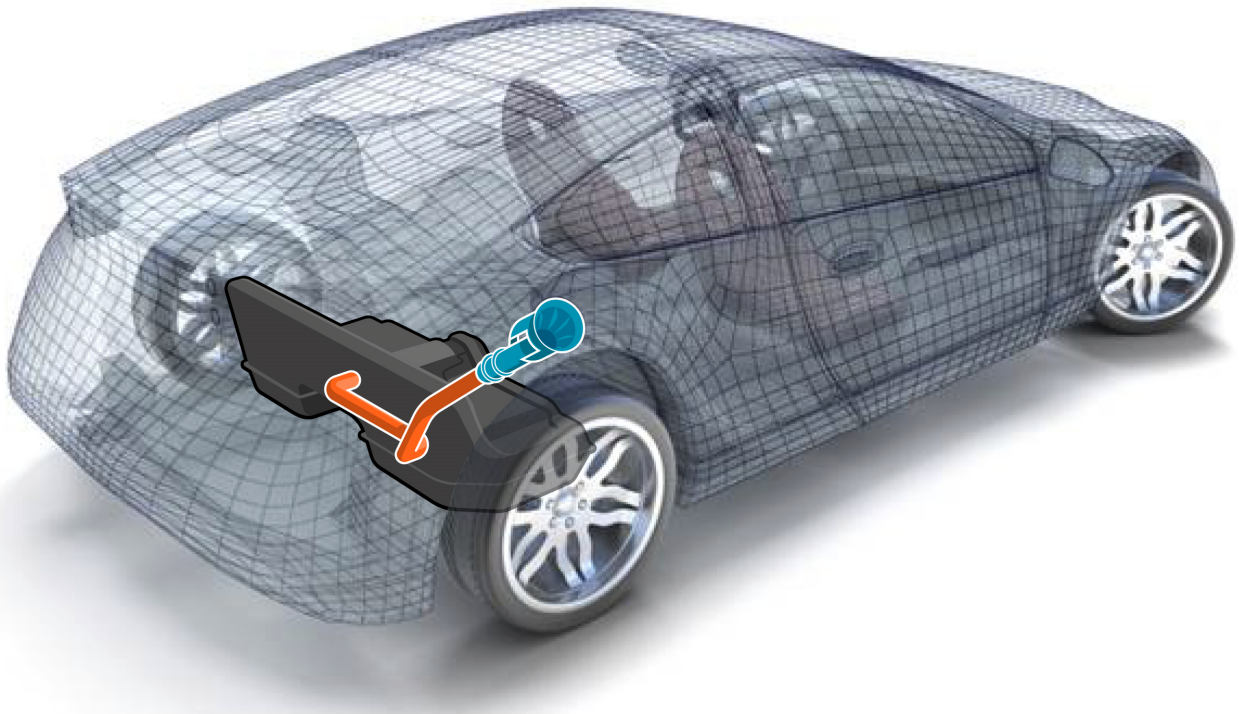


ELECTRICALLY CONDUCTIVE PLASTICS PRE-ELEC® PE COMPOUNDS FOR AUTOMOTIVE FUEL SYSTEMS

PREMIX

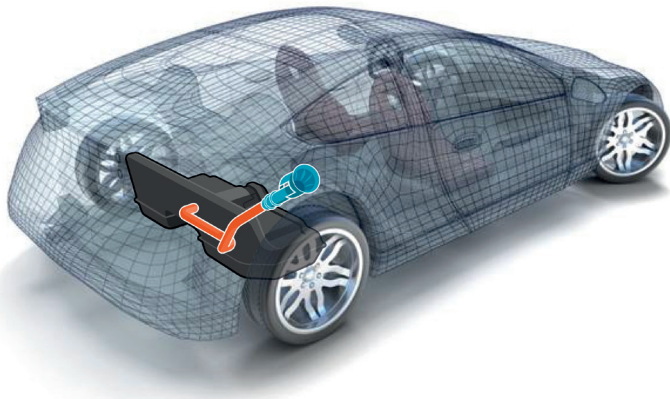


Ensure safe fuel handling by choosing Premix's electrically conductive HDPE compounds for fuel filler systems (FFS); heads, necks and pipes.

Refueling generates static electricity in fuel filler system. It is caused by the friction between flowing gasoline and FFS's plastic surface. This static electricity might lead to gasoline ignition.

With Premix's electrically conductive PRE-ELEC® PE compounds the FFS can be grounded and the risks of electrostatic charging are eliminated.

PRE-ELEC® PE compounds for automotive fuel systems bear unique advantages compared to competing solutions; clearly improved material flow for blow molding process combined with fuel resistance and high electrically conductivity.



FUEL FILLER HEADS AND NECKS

Carbon black filled PRE-ELEC® TP 11270 has improved fuel permeation properties.

The material has excellent ESCR (Environmental Stress Cracking) properties and is easy to process due to improved melt flow. HDPE base polymer ensures seamless welding to fuel filler pipe.

Glass fiber reinforced electrically conductive PRE-ELEC® TP 14708GF is the right choice for parts exposed to mechanical stress during tank filling. It obtains strong mechanical properties and brings cost savings when replacing more expensive technical plastics, e.g., polyamide.



FUEL FILLER PIPES

Carbon black filled PRE-ELEC® TP 11270 is optimal material inner layers of HDPE multi-layer filler pipes.

It has excellent mechanical properties including ESCR combined with easy material flow in blow molding process. This leads to mechanically resistant, smooth and even inner pipe surface with less fuel turbulence.



PRE-ELEC® PE COMPOUNDS FOR FUEL FILLER SYSTEMS

	PRE-ELEC® TP 11270	PRE-ELEC® TP 14708GF
Fuel filler heads and necks injection molding	✓	✓
Fuel filler pipes blow molding	✓	-

With over 40 years of experience, Premix is one of world's leading manufacturers of electrically conductive plastics and fuel filler applications.

Premix offers electrically conductive PRE-ELEC® compounds and concentrates for electrostatic discharge (ESD), explosive atmospheres (ATEX), liquid level detection and metal replacement applications. The products are utilized in a wide range of industries, including automotive, chemical, electronics, diagnostics and mining.

*In case you are looking for an electrically conductive plastic compound with special features do not hesitate to contact us at Premix:
<https://www.premixgroup.com/contact/>*