

ORD Problem Solved!

Renewable Energy



Over the last decade, the world has seen a significant increase in the concern for clean energy sources. Various governments and environmental agencies have dedicated billions of dollars to the research and development of technologies in this industry. Parker has continued to supply world class products and services throughout this era of green initiatives, and has been more involved in creating solutions to meet the demands of the renewable energy industry.

One of the most basic needs for many of the applications in this industry are seals that work reliably. From the tools used to create thin-films to the environmental seals which protect outdoor equipment from the elements, Parker has a solution for any 'green' sealing challenge.



One of the most commonly requested requirements is for seals approved for Underwriters Laboratories (UL) 1703 (Standard for Flat-Plate Photovoltaic Modules and Panels) gasket applications. For these applications, Parker recommends silicone compound S0604-70. Parker compound S0604-70 has been used for 40+ years in a variety of sealing applications from military to consumer product use. S0604-70 is UL approved to specifically support photovoltaic applications.

Success Story

Application

Connector end for photovoltaic panels

Problem

A large renewable energy component manufacturer approached Parker with a need for a seal solution to a new product they were developing. The material needed was primarily for protecting a solar panel cable connection from environmental elements such as rain, wind, dust, and mild temperature fluctuations. The entire device required UL approval for use in photovoltaic applications, so a seal material that was UL 1703 approved was desirable.

Parker Solution

After analyzing the application details, Parker recommended silicone compound S0604-70. Along with being a tried and true compound for use in environmental seals across many industries, S0604-70 also has UL approval; meeting requirements for use in photovoltaic seal/gasket applications.

Outcome

Through one of Parker's registered distributors, a variety of S0604-70 parts were sampled. In addition to being pleased with the performance of the seals, the customer was also impressed with our delivery and channels to market. This combination of seal performance and supply chain logistics helped Parker secure the business.