

DASFLON PEEK COMPOUNDS

(ESD GRADE / WAFER CARRIER GRADE / CUSTOMIZED GRADE)

1. DASFLON™ ESD PEEK is an electrically modified plastic material with a surface resistance between 10^6 - 10^9 Ω . Due to its electrostatic dissipation properties, this material is commonly used in applications within the semiconductor industry. DASFLON™ ESD PEEK has excellent dimensional stability and can be machined easily to very narrow tolerances.

With our advanced dispersion technology and additives, we can achieve stable surface resistivity and excellent mechanical properties.

We can provide both extrusion grade ESD PEEK and injection molding grade ESD PEEK.

DASFLON™ ESD-L PEEK : Our extrusion grade DASFLON™ ESD-L PEEK mainly used for rod and sheet production. Rod and sheets made from DASFLON™ ESD-L PEEK, have the following characteristics;

- Stable electrical conductivity
- High dimensional stability
- Excellent thermal and mechanical stability
- Improved machinability

Applications : Semiconductor industry, Electronic component industry, Air-craft industry, Mechanical engineering industry.



2. DASFLON™ W/C PEEK is originally developed for growing demand of PEEK wafer carriers or related component parts in the semiconductor industry. Unlike using only carbon fiber or carbon black as reinforcement, we adapted hybrid reinforcement of both carbon fiber and dispersed nano materials. By adding formulated ratios of dispersed nano size additives, it can enhance better thermal and mechanical properties than using conventional carbon fiber or carbon black alone.



3. CUSTOMIZED GRADE PEEK

We can supply various customized grade PEEK upon our customer's specific requirements.

CF, GF , GRAPHITE, PTFE , ARAMID FIBER, CNT and more