

Victrex® Vicote® 708 Polyetheretherketone (PEEK) Powder

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

VICOTE 708 and 709 grades are specially developed powder coatings (based on VICTREX HT™ polymer) with a higher Tg and melting point than the standard VICOTE products. VICOTE 708 and 709 grades deliver extended high temperature performance while offering all the key characteristics of standard VICOTE Coatings. Key features of VICOTE 708 and 709 grades include: Retention of mechanical and physical properties at temperatures 30°C higher than other 700 series coatings. Up to 3 times the wear resistance of standard 700 series coatings. Higher levels of fatigue performance. Higher creep modulus than standard 700 series coatings at 150°C VICOTE 708 and 709 grade powders are available in various average particle sizes from 10 – 50 microns. The powders are off-white in color and are available in various melt viscosities depending on the film thickness and level of melt flow required. Typical film thicknesses range from < 100 microns up to 500 microns. VICOTE 708 and 709 grades, like other non-coating grades of VICTREX HT polymer, are thermoplastic in nature and exhibit flow above the melt temperature. When processed using the correct guidelines, the coatings will exhibit the excellent properties that VICTREX HT polymer is renowned for. High continuous use temperature of 260°C Excellent wear abrasion and cut through resistance at these high temperatures Excellent chemical and radiation resistance Low level of extractables Hydrolysis resistant Inherently flame retardant All information provided by Victrex.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Victrex-Vicote-708-Polyetheretherketone-PEEK-Powder.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Density | 1.32 g/cc | 0.0477 lb/in ³ | ISO 1183 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------|---------|----------|
| Melting Point | 374 °C | 705 °F | DSC |
| Maximum Service Temperature, Air | 260 °C | 500 °F | |
| Glass Transition Temp, Tg | 157 °C | 315 °F | DSC |
| UL RTI, Electrical | 260 °C | 500 °F | UL746B |

| Processing Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|----------------------|
| Drying Temperature | 120 °C | 248 °F | overnight before use |
| | 150 °C | 302 °F | |
| | @Time 10800 sec | @Time 3.00 hour | |

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