

Product Technical Sheet

Product	EMI PEEK PolyEtherEtherKetone Micro Powder
Appearance	fine powder, natural colour
Introduction	EMI PEEK is a semi-aromatic crystalline thermoplastic polymer material, melting point of 343°C. It has high mechanical strength, high temperature resistance, impact resistance, flame resistance, acidic and alkaline resistance, hydrolysis resistance, wear resistance, fatigue resistance, irradiation resistance and good electrical insulation.

【Features】

- ◆ Can be used under continuous high temperature condition.
- ◆ Excellent wear resistance, scratch resistance and cutting resistance.
- ◆ Excellent chemical and radiation resistance.
- ◆ Low extraction and precipitation performance
- ◆ Excellent hydrolysis resistance.
- ◆ Excellent flame retardant performance

【Specifications】

Items	Product Name		
	EMI PEEK MP60	EMI PEEK MP40	EMI PEEK MP20
particle size D50 (um)	60±2	40±2	20±2
melting point (° C)	343	343	343
Melting viscosity (400° C)	350Pa. s	350Pa. s	350Pa. s
Bulk Density (g/cm ³)	0.32	0.32	0.32
Processing Temperature (° C)	380-400	380-400	380-400

【Packaging】

1, 10 kg/Cartron, PE inner lining

【Storage】

store in clean and dry condition, away from dust and moisture.

THE INFORMATION CONTAINED IN THIS BROCHURE IS AN ACCURATE DESCRIPTION OF THE TYPICAL CHARACTERISTICS AND/OR USES OF THE PRODUCT OR PRODUCTS, BUT IT IS THE CUSTOMER'S RESPONSIBILITY TO THOROUGHLY TEST THE PRODUCT IN EACH SPECIFIC APPLICATION TO DETERMINE ITS PERFORMANCE, EFFICACY AND SAFETY FOR EACH END-USE PRODUCT, DEVICE OR OTHER APPLICATION. SUGGESTIONS OF USES SHOULD NOT BE TAKEN AS INDUCEMENTS

Typical Properties

	CONDITIONS	TEST METHOD	UNITS	TYPICAL VALUE
Mechanical Data				
Tensile Strength	Yield, 23°C	ISO 527	MPa	100 *
Tensile Elongation	Break, 23°C	ISO 527	%	30 *
Tensile Modulus	23°C	ISO 527	GPa	3.7 *
Flexural Strength	23°C	ISO 178	MPa	160 *
Flexural Modulus	23°C	ISO 178	GPa	4.1 *
Izod Impact Strength	Notched, 23°C	ISO 180/A	kJ m ⁻²	6.5 *
	Unnotched, 23°C	ISO 180/U		
Thermal Data				
Melting Point		ISO 11357	°C	343
Glass Transition (Tg)	Onset	ISO 11357	°C	143
Flow				
Melt Viscosity	400°C	ISO 11443	Pa.s	350

