



G-PAEK™ 1200P

Product Details: Ultra High performance thermoplastic material, unreinforced Poly Aryl Ether Ketone (G-PAEK), semi crystalline, coarse powder for extrusion compounding, easy flow, FDA food contact compliant, colour natural.

Typical Properties

PROPERTY	TEST METHOD/CONDITIONS	UNIT	G-PAEK™ 1200P
General Properties			
Density	23°C	g/cc	1.30
Crystallinity	DSC	%	40
Thermal Properties			
Glass Transition Temperature(Tg)	DSC/onset	°C	152-154
Melting Point (Tm)	DSC	°C	370-372

Mechanical Properties			
Tensile Strength	ASTMD 638/23°C	MPa	105
Tensile Modulus	ASTMD 638/23°C	MPa	4200
Elongation at Break	ASTMD 638/Break,23°C	%	10-15
Flexural Strength	ASTMD790/23°C	MPa	185-190
Flexural Modulus	ASTMD790/23°C	MPa	4100
Tensile Modulus	ASTMD 638/23°C	MPa	4200
Elongation at Break	ASTMD 638/Break,23°C	%	10-15
Flexural Strength	ASTMD790/23°C	MPa	185-190
Flexural Modulus	ASTMD790/23°C	MPa	4100

Rheological Properties			
CR Viscosity at 6 Min	Capillary Rheometer/@1000 s ⁻¹	Pa.s	200

Fire Properties			
Flammability	UL 94/0.8 mm		V-0