PFLUON PEEK

High performance thermoplastic, unreinforced PolyEtherEtherKetone (PEEK), semi- crystalline, powders/granules with different viscosities for variety of applications, colour natural.

Properties	Standard	Unit	8900 G very low viscosity	8800 G low viscosity	8200 G medium viscosity	8100 G high viscosity
Physical						
Density	ISO 1183	g/cm³	1.30	1.30	1.30	1.30
Melt viscosity	ISO 1133	cm³/10min	120	80	20	10
Melting Temperature	ISO 3146	°C	343	343	343	343
Mechanical						
Tensile Strength	ISO 527	MPa	107	105	98	96
Tensile Modulus	ISO 527	GPa	4.0	4.0	3.7	3.5
Tensile Elongation at break	ISO 527	%	20	20	30	30
Flexural Strength	ISO 178	MPa	170	170	150	160
Flexural Modulus	ISO 178	GPa	4.2	4.0	4.0	3.3
Charpy Impact Strength	ISO 179/1eA	KJ/m²	4.0	5.0	8.0	7.0
Thermal						
HDT (1.8MPa)	ISO 75	°C	152	152	152	152
Flammability						
Flammability	IEC 60695	1,6 mm	V-0	V-0	V-0	V-0

Important notes:

1) Processing conditions are typical of those used in our processing laboratories
2) Data are produced in accordance with prevailing national, international and internal standards, and should be used for material comparison. Actual property values are highly dependent on part geometry, mould configuration and processing conditions. Properties may also differ for along flow and across flow direction.

Our technical advice, information or recommendations are made to the best of our knowledge. Since the final success is beyond our control and their circumstances are not predictable, written and oral instructions, advice and the information contained in this leaflet are not legally binding. So they have no meaning to assure certain properties of the products or their suitability for a specific purpose. In particular do not release the buyer from testing our products for their suitability for the intended procedures and purposes. For example, existing industrial property rights of third parties are to be considered. A flawless quality assurance in the context of our terms of sale and delivery.

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