

Triboforce® PPS C1800

PPS-CF

Brenntag AG

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.0	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	16000	MPa	ISO 527
Tensile Strength	115	MPa	ISO 527
Strain at break	1	%	ISO 527
Charpy impact strength, +23°C	15	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	275	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion, parallel	11	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	45	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1610	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Processing humidity	≤0.05	%	-
Melt temperature	310 - 340	°C	-
Mold temperature	140 - 160	°C	-
Back pressure	4	MPa	-
Holding pressure	50 - 100	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Features

Low Odor

Chemical Resistance

Alkali Resistance, General Chemical Resistance, Hydrolytically Stable, Oil Resistance

Regional Availability

Europe