

performanceplastics

Dyneon Fluorothermoplastic
PVDF 6008/0001

PROPERTIES

	Condition	Standard	Unit	Value
Density		ISO 1183	g/cm ³	1.78
H ₂ O Absorption	24hr @ 23°C	ISO 62 (Method 1	%	<0.04
Melt Flow Index	230°C, 5Kg	ASTM D1238	g/10 min	24
	230°C, 2.16Kg	ASTM D1238	g/10 min	8
Tensile yield strength	23°C, 50 mm/min	ASTM D638	MPa	55
Tensile break strength	23°C, 50 mm/min	ASTM D638	MPa	42
Elongation at yield	23°C, 50 mm/min	ASTM D638	%	7
Elongation at break	23°C, 50 mm/min	ASTM D638	%	35
Flexural modulus	23°C, 2mm/min	ASTM D790	MPa	2500
Melting point		ASTM D3418	°C	174
Deflection temperature 4 mm Thick	Load 0.46 MPa	ASTM D648	°C	147
	After annealing			
	Load 1.82 MPa	ASTM D648	°C	112
Moulding shrinkage			%	3
UL-94 Flammability test		UL94	Class	V-0
Limiting Oxygen index		ASTM D2863	%	44

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products.

Prospective users should determine the suitability of materials before adopting them on a commercial scale.

- Excellent chemical resistance to a variety of aggressive fluids and solvents
- Good permeation resistance
- Smooth, anti-fouling surfaces
- Injection moulding grade
- Excellent strength and dimensional stability
- Good colour stability

Performance Plastics Ltd

Tel. 01425 403543

Website: www.performance-plastics.co.uk

