



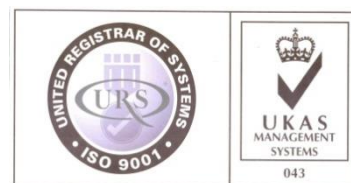
MCP ENGINEERING PLASTICS LIMITED

Unit 27, Kingstons Commercial Centre
Downhall Road
Matching Green
Essex, CM17 0RB

Phone: 01279 739399

Fax: 01279 730919

Email: sales@mcpengeering.co.uk



URS is a member of Registrar of Standards (Holdings) Ltd.

**Fluteck F200
EthyleneTetraFluooEthylene**

**Material Specification
(Typical Properties)**

Physical

Property	Method	Units	Specification
Specific Gravity	ASTM D792	g/cm ³	2,13 – 2,14
Water Absorption	ISO 62 (24hr immersion)	%	---
Linear mould shrinkage	ASTM D955	Cm/cm	---

Mechanical

Property	Method	Units	Specification
Elongation at Break	ISO 527-1	%	260 – 310
Tensile strength at break	ISO 527-1	MPa	28 – 32
Tensile modulus	ISO 527-1	MPa	---
IZOD impact strength	ASTM D 256	J/m	No break
Hardness Shore	ASTM D 2240	Shore D	50 – 65
Hardness Rockwell	---	Rockwell M	---
Ball Hardness	ISO 2039-1 N358	N/mm ²	---

Electrical

Property	Method	Units	Specification
Volume resistivity	IEC 60093	Ohm cm	10 ¹⁵
Surface resistance	IEC 60093	Ohm	10 ¹⁴
Dielectric Strength	ASTM D 149	KV/mm	25
Relative permittivity	IEC 60250	1MHz	2.8

Thermal

Property	Method	Units	Specification
Melting point	DSC	°C	266 – 267
Specific heat capacity	DSC	J/g	---
Thermal conductivity	DSC	W/mK	---
Maximum service temperature, Air	Internal Test	°C	+180/+200
HDT	ASTM D648	°C	---

Disclaimer. These figures are typical values for the material and do not represent a product specification. Properties will vary depending on source of raw material, method of processing, physical form of product, direction of measurement etc.