

## Technical Data Sheet

### Item

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Name	Polytetrafluoroethylene
Synonyms	PTFE, Fluon, Teflon, Poly(tetrafluoroethene),
Cas number	9002-84-0
Grade	A1
Appearance	White easily lumping powder

### Application

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Production of Rods, pipes, bushing by molding and ram extrusion  
Production of small articles, O-rings by automatic pressing (Molding)  
Compression (direct) molding and isostatic pressing

### Packaging

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Net weight 25kg Box

### Specifications

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Parameter	Specification	Test Method
Water content, %, Max	0.02	Internal Method
Density (SSD), g/cm <sup>3</sup> , Max	2.18	ASTM D4894
Bulk density, g/l	800 – 900	ASTM D4894
Tensile strength at break, MPa, Min	30	Internal Method
Elongation at break, %, Max	300	ASTM D4894
Mould shrinkage, %	1.9 – 2.4	ASTM D4894
Granylometric composition (d <sub>50</sub> ), Max		ASTM D4895
1K sieve residue, %	15	Internal Method
Undersize (sieve No.0.20K), %	5	