



Specification and Technical data

Astaflon® Grade FP01E

Enhanced PTFE Fine Powder

Material	Polytetrafluoroethylene
General Qualities	Fine powder for extrusion and calendaring. Clean, white surface, continuous even, smooth texture. Higher tensile. Extrusion of tube, rod, sheet, seal tape etc. Rapid cooling improves transparency
Packaging Storage and Transport	Double layer PVC bags inside rigid circular water proof barrels. 25kg per barrel. Fully certificated. Store in clean, dry warehouse. Avoid excessive heat, cold, moisture, and rough handling.

Material Properties	Testing according to ASTM D 4894 and ISO 13320		
Tensile Strength		>32	MPa
Elongation at Break		>350	%
Bulk Density		475 +/- 100	g/l
Material Density		2.17 +/- 0.02	g/cc
Particle Size		650+/-250	µm
Extrusion Pressure @ RR 400		27.5 +/-13	MPa
Thermal Stability Index		30	
Melting Point	First	327+/-5	°C
	Second	342+/-5	°C

Safety	If heating above 260 °C, small amounts of decomposition products can fume. Avoid inhalation of these fumes. Processing equipment and surrounding area should be adequately ventilated. Smoking must be avoided. Avoid eye contact. If this happens, irrigate immediately and seek medical advice. It is best to also avoid skin contact. If this happens, wash with soap and water. When cleaning equipment, do not burn off with flame or furnace.
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