



Specification and Technical data

Astaflon® PTFE Lubricant Powder PTF 12E

Material	Polytetrafluoroethylene
General Qualities	Clean, white surface, even texture. Micropowder used to improve lubricant and tribological properties of thermoplastics, greases, inks, coatings and paints
Packaging Storage and Transport	Double layer PVC bags inside rigid circular barrels. Labels : quality certificate, brand, trademark, type, grade, lot, weight of contents, pack date. Store in clean, dry warehouse. Avoid excessive heat, cold, moisture, and rough handling.

Material Properties			
Bulk Density	ISO12086	450 +/- 50	g/l
Material Density	DIN53479	2.18 +/- 0.02	g/cc
Particle Size ISO13320	D10	5.0 +/-2.0	µm
	D50	12.0 +/-3.0	µm
	D90	25.0 +/-6.0	µm
Hardness		60-54	Shore D
Diametric Shrinkage		3.0 +/- 0.5	%
Melting Point ASTM D1457	First	327+/-5	°C
	Second	342+/-5	°C
SSA	BET	7.5 +/-2.5	m ² /g
Colour	Internal	White	

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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