

L-5F

POLYFLON® PTFE Low Polymer

Characteristics

Polyflon® PTFE Low Polymer L-5F is a low molecular weight polytetrafluoroethylene. This white powder can be used as an additive in other materials to improve wear resistance, non-stick properties and to reduce coefficient of friction. *Polyflon®* PTFE Low Polymer L-5F is well suited as an additive to plastics and elastomers such as polyamide, polyacetal, polyester, polycarbonate and TPE. It is also used as a dry lubricant or an additive for paint and printing ink. *Polyflon®* PTFE Low Polymer L-5F is superior in handling and dispersing in other materials.

Table-1 Typical Properties of Polyflon® PTFE Low Polymer L-5F

Properties*	Test Method	Unit	L-5F
Appearance	Visual Inspection	--	Fine white powder
Average Particle Size	Dry Laser	µm	3.7
Primary Particle Size	Electron Microscope	µm	0.2
Bulk Density	ASTM D4895	g/l	390
Melting Point	ASTM D4591	°C	326
Volatility Index	Weight Loss 300°Cx 1 H r	mass%	0.019
Static Coefficient of Friction	Bouden-Laben Measuring Unit	--	0.06 - 0.07
Specific Surface Area	BET	m ² /g	117

*Typical properties are not suitable for specification purposes.

Safe Handling

Although *Polyflon®* PTFE Low Polymer L-5F presents no hazard under normal processing conditions, read the 'Safety Data Sheet' before beginning processing operations.

WARNING: VAPORS HARMFUL IF INHALED.

Packaging

Polyflon® PTFE Low Polymer L-5F is packed in 25kg drums.