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TECHNICAL DATA SHEET

DAIKIN PTFE F-131

Daikin PTFE F-131 is a high molecular weight polytetrafluoroethylene fine powder resin for paste extrusion manufactured without the use of PFOA. F-131 has been specifically designed for the manufacture of unsintered tapes, sintered tapes and porous applications at low reduction ratios. It has high thermal stability and high stretch ratio capability.

Typical characteristics of the resin are as follows:

CHARACTERISTIC	UNITS	TYPICAL VALUE	TEST METHOD
BULK DENSITY	g/l	400 - 500	ASTM D 4895
STD. SPECIFIC GRAVITY	---	2.145 - 2.155	ASTM D 4895
TENSILE STRENGTH	MPa	25 - 100	ASTM D 4895
ELONGATION	%	300 - 600	ASTM D 4895
PARTICLE SIZE	microns	400 - 650	ASTM D 4895
EXTRUSION PRESSURE	kg/cm ²	130 - 250	DAIKIN
APPEARANCE	---	WHITE POWDER	VISUAL

Note: The data listed above fall within the normal range of product, but they should not be used to establish specification limits nor be used as the sole basis of design.

SAFETY & HANDLING

Daikin PTFE F-131 should be handled like other Daikin PTFE resins. When PTFE resins are heated to temperatures above 260°C, minor amounts of decomposition products are given off. These decomposition products may be harmful and inhalation of these fumes must be avoided. Ovens, process equipment and the working area must be adequately ventilated. For further information please refer to the material safety data sheet for this product.

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