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TECHNICAL DATA SHEET

DAIKIN PTFE F-207

Daikin PTFE F-207 is a polytetrafluoroethylene fine powder resin for paste extrusion manufactured without the use of PFOA. F-207 has been designed for small diameter coaxial cables and tubing applications that are run at high reduction ratios. F-207 is ideal for high frequency insulating applications because of its low, uniform dielectric constant and dissipation factor over a wide frequency range. F-207 also demonstrates good thermal stability and excellent dimensional tolerance at low extrusion pressures.

Typical characteristics of the resin are as follows:

CHARACTERISTIC	UNITS	TYPICAL VALUE	TEST METHOD
BULK DENSITY	g/l	500	ASTM D 4895
STD SPECIFIC GRAVITY	---	2.16 - 2.18	ASTM D 4895
TENSILE STRENGTH (min.)	MPa	25	ASTM D 4895
ELONGATION (min.)	%	300	ASTM D 4895
PARTICLE SIZE (average)	microns	525	ASTM D 4895
EXTRUSION PRESSURE	kg/cm ²	300 - 450	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-207 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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