



**DAIKIN AMERICA,
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TECHNICAL DATA SHEET

DAIKIN PTFE F-205

Daikin PTFE F-205 is a polytetrafluoroethylene fine powder resin for paste extrusion manufactured without the use of PFOA. F-205 has been specifically designed for the manufacture of thin wall tubing and wire coating applications requiring good color, clarity, thermal stability and stress crack resistance. F-205 may be run at high reduction ratios and at high speeds.

Typical characteristics of the resin are as follows:

CHARACTERISTIC	UNITS	TYPICAL VALUE	TEST METHOD
BULK DENSITY	g/l	400 - 600	ASTM D 4895
STD SPECIFIC GRAVITY	---	2.160 - 2.184	ASTM D 4895
TENSILE STRENGTH	MPa	25 - 60	ASTM D 4895
ELONGATION	%	350 - 600	ASTM D 4895
PARTICLE SIZE (AVERAGE)	Microns	400 - 650	ASTM D 4895
EXTRUSION PRESSURE	kg/cm ²	650 - 850	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 F-205 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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