

## TECHNICAL DATA SHEET

### DAIKIN-POLYFLON™ PTFE M-111

Daikin-Polyflon M-111 is a modified polytetrafluoroethylene virgin granular fine cut resin. This next generation molding powder has been specifically designed for use in small to large billet compression molding. It is particularly well suited for sheet lining, gasket and compression applications. It exhibits excellent creep resistance and weldability characteristics.

Typical characteristics of the resin are as follows:

CHARACTERISTIC	UNITS	TYPICAL VALUE	TEST METHOD
BULK DENSITY (MINIMUM)	g/l	310	ASTM D 4894
STANDARD SPECIFIC GRAVITY	---	2.165 - 2.180	ASTM D 4894
TENSILE STRENGTH (MIN.)	MPa	35	ASTM D 4894
ELONGATION (MIN.)	%	400	ASTM D 4894
SHRINKAGE	%	3.7 – 4.7	DAIKIN qac206fp
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-Polyflon PTFE M-111 should be handled like other Daikin-Polyflon 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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