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## TECHNICAL DATA SHEET

### DAIKIN-POLYFLON™ PTFE M-12

Daikin-Polyflon M-12 is a polytetrafluoroethylene virgin granular fine cut resin. This general purpose molding powder has been specifically designed for use in small to medium billet compression molding. It is particularly well suited to thin skived film applications requiring excellent physical and electrical properties.

Typical characteristics of the resin are as follows:

CHARACTERISTIC	UNITS	VALUE	TEST METHOD
BULK DENSITY (MIN.)	g/l	300	ASTM D 4894
STD SPECIFIC GRAVITY	---	2.15 - 2.17	ASTM D 4894
TENSILE STRENGTH (MIN.)	MPa	35	ASTM D 4894
ELONGATION (MIN.)	%	350	ASTM D 4894
BREAK DOWN VOLTAGE (AVG. MIN.)	kV/0.1mm	9.0	ASTM D 4894
SHRINKAGE	%	2.7 - 3.8	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-12 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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