



DAIKIN AMERICA, INC.
20 Olympic Drive
Orangeburg, NY 10962
Tel: (845) 365-9500
Fax: (845) 365-9515

TECHNICAL DATA SHEET

DAIKIN-POLYFLON™ PTFE M-112

Daikin-Polyflon M-112 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 flex applications, such as diaphragms and bellows, that require an extended service life compared to that of conventional PTFE. 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	340	ASTM D 4894
STANDARD SPECIFIC GRAVITY	---	2.140 - 2.155	ASTM D 4894
TENSILE STRENGTH (MIN.)	MPa	35	ASTM D 4894
ELONGATION (MIN.)	%	350	ASTM D 4894
SHRINKAGE	%	4.0 – 5.0	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-112 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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