

**DAIKIN**

# Product Information

## Daikin-Polyflon™ PTFE

## Molding Powders

Daikin-Polyflon PTFE (polytetrafluoroethylene) molding powders are excellent, fine cut resins, well suited for a variety of demanding chemical, mechanical, electrical and non-stick surfaces applications. These PTFE resins are fully fluorinated and have the best thermal, electrical, and chemical properties of all fluoropolymers with a continuous service rating of 500°F (260°C). Daikin-Polyflon PTFE molding powders are available in homopolymer and modified fine cut grades.

### Typical Applications:

**Chemical/Mechanical**—Packings, gaskets, diaphragms, bellows, corrosion-resistant linings, piping components, pump parts, O-rings, V-rings, bushings, slide bearings, etc.

**Electrical/Other**—Insulating skived tape, insulating sleeves, terminals, connectors, sockets, spacers, electronic parts, laboratory equipment, etc.

### Typical Properties of Daikin-Polyflon PTFE Molding Powders:

Property	Unit	Test Method	M-12	M-15	M-15X	M-111	M-112
Bulk Density	g/l	ASTM D 4894-98a	350	425	425	360	380
Std. Specific Gravity	-----	ASTM D 4894-98a	2.16	2.16	2.16	2.17	2.15
Shrinkage	%	ASTM D 4895-98a	3.5	4.3	4.5	3.9	3.7
ASTM Type/Grade		ASTM D 4894-94-98a	II	II	II	III/1	III/1
ASTM Type/Grade		ASTM D 1457-92	IV	IV	IV	V/1	V/1
Type of Polymer			Homopolymer	Homopolymer	Homopolymer	Modified	Modified
Selection Guide:			Superior Mechanical & Electrical Properties	General Purpose	Filled Compounds	Excellent Creep Resistance and Weldability, for Sheet Linings, Gaskets, and Compressive Applications	Excellent Flexibility and Weldability for Bellows and Diaphragms

