



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

TECHNICAL DATA SHEET

DAIKIN-POLYFLON™ PTFE F-208H

Daikin-Polyflon PTFE F-208H is a polytetrafluoroethylene fine powder resin for paste extrusion made without the use of PFOA. F-208H has been designed for small diameter coaxial cables and tubing applications that are run at high reduction ratios. F-208H is ideal for high frequency insulating applications because of its low, uniform dielectric constant and dissipation factor over a wide frequency range. F-208H has good clarity, high green strength and demonstrates excellent thermal stability and dimensional tolerance at low extrusion pressures.

Typical characteristics of the resin are as follows:

| CHARACTERISTIC | UNITS | TYPICAL VALUE | TEST METHOD |
|-------------------------|--------------------|---------------|-------------|
| BULK DENSITY | g/l | 500 | ASTM D 4895 |
| STD SPECIFIC GRAVITY | --- | 2.16 - 2.18 | ASTM D 4895 |
| TENSILE STRENGTH (min.) | MPa | 25 | ASTM D 4895 |
| ELONGATION (min.) | % | 300 | ASTM D 4895 |
| PARTICLE SIZE (average) | microns | 550 | ASTM D 4895 |
| EXTRUSION PRESSURE | kg/cm ² | 255 – 530 | 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-Polyflon PTFE F-208H 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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