

400°C
752°F

UBE

UFC

Ultra wide temperature-resistant foam chips

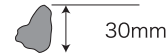
UFC004



UFC032



UFC120



Outline

Polyimide foam chips with size ranging from 1mm to 30mm diameter.

Features

- Extremely low to high temperature resistance with glass transition temperature at 400°C
- Excellent thermal insulation and light weight
- Self extinguish and high flame-retardant capability
- Extremely low out gassing
- High resistance to radiation,UV and chemicals,and electric insulation

Applications

- Thermal insulators at temperatures ranging from cryogenic to 400°C
- Electrical insulators at temperatures ranging from cryogenic to 400°C
- Acoustic insulators at temperatures ranging from cryogenic to 400°C
- Fire and flame-retardant packaging and filling / cushioning material
- High temperature gaskets at temperatures ranging from cryogenic to 400°C

Properties

| Item | Typical Values | Unit | Test Method |
|----------------------|----------------|-------------------|-------------------|
| Density | <10 | kg/m ³ | ASTM D3574(A) |
| Tg | 400 | °C | DSC Analysis(N2) |
| 5%Weight Loss Temp. | 570 | °C | TGA Analysis(Air) |
| Thermal Conductivity | 0.035 | W/m·K | ASTM C518 |
| Flammability | V-O quite | — | |
| Oxygen Index | 51 | % | ASTM D2863 |

UBE INDUSTRIES,LTD.
Aerospace Materials

1-2-1 Shibaura,
Minato-ku, Tokyo 105-8449,
Japan
TEL. +81(3) 5419-6182 FAX. +81(3) 5419-6260
e-mail:info@upilex.jp http://www.upilex.jp