

# DAIKIN PTFE LF-100



## Technical information

LF-100 Mar 16 2006

### Micro powder additive

DAIKIN PTFE LF-100 is a free flowing white powder additive specially designed to improve polymer surface performance. Adding DAIKIN PTFE LF-100 into plastics or a compounded elastomer base reduces the coefficient of friction, improves wear resistance and non-stick properties, and, in some cases may improve tear resistance. DAIKIN PTFE LF-100 is a fine particle size PTFE with good flowing properties for easy handling and good dispersibility without fibrillation during the compounding process.

#### 1. Typical Property data for DAIKIN PTFE LF-100

Item	Unit	Value
Appearance		White Powder
Particle Size Ave.	micros	12
Melting point	C	327
Bulk Density	g/L	400

#### 2. Typical applications and processing recommendations.

DAIKIN PTFE LF-100 can be easily compounded into many thermoplastic resins and elastomers to improve the surface performance of a molded part. Typical materials for modification include Polycarbonates, Polycarbonate-ABS, Polyamides, Polyacetal and other highly engineered plastics, as well as Fluoroelastomers (DAI-EL) and Saturated Nitriles. A recommended additive range is from 5 % to 20% (5 to 10 phr) by weight of the base elastomer or plastic. Because of LF-100's small particle size, the additive will disperse with good uniformity into the polymer matrix, an important attribute for maximum performance.

#### 3. Packaging

DAIKIN PTFE LF-100 is available 50kg(110lb) fiber drum with PE liner and 1kg(2.2lb) plastic bottles.

#### 4. Safety information

Please read Material Safety Data Sheet prior to use DAIKIN PTFE LF-100.