



TECHNICAL DATA SHEET

DAIKIN PTFE D-310 DISPERSION

DAIKIN AMERICA, INC.

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

Daikin PTFE D-310 is a modified polytetrafluoroethylene aqueous dispersion manufactured without the use of PFOA. D-310 has been specifically designed for use in release coating and glass cloth impregnation applications where improved gloss, adhesion, surface smoothness and wear properties are desired. D-310 contains a more environmentally friendly surfactant that leaves fewer residues in the substrate than traditional surfactants.

Typical characteristics of the dispersion are as follows:

CHARACTERISTIC	UNITS	TYPICAL VALUE	TEST METHOD
VISCOSITY @ 25°C	cps	35 Maximum	DAIKIN METHOD
SPECIFIC GRAVITY @ 25°C	---	1.50 - 1.53	HYDROMETER
pH @ 25°C	---	8.5 - 10.5	ASTM D 4441
SOLIDS CONTENT	%	59 - 61	ASTM D 4441
SURFACTANT CONTENT	% (on PTFE)	6.0 - 7.2	ASTM D 4441
APPEARANCE	---	MILKY WHITE LIQUID	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 PTFE D-310 should be handled like other Daikin 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.

Rev 10/2012