TECHNICAL DATA SHEET

PTFE D-210C DISPERSION

Characteristics

Daikin PTFE D-210C is a homopolymer polytetrafluoroethylene aqueous dispersion manufactured without the use of PFOA. D-210C has been designed for use as a battery binder and for other applications that require the addition of fillers to the dispersion. D-210C contains a more environmentally friendly surfactant that leaves fewer residues in the substrate than traditional surfactants.

Properties*	Units	Typical Value	Test Method
Viscosity @ 25°C	cP	35 Max	Daikin Method
Specific Gravity @ 25°C	---	1.50 - 1.53	Hydrometer
pH @ 25°C	---	8.5 - 10.5	Daikin Method
Solids Content	---	59 - 61	Daikin Method
Surfactant Content	% (on PTFE)	6.0 - 7.2	Daikin Method
Appearance	---	Milky White Liquid	Visual

***Typical properties are not suitable for specification purposes.**

Safety & Handling

Daikin PTFE D-210C 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 safety data sheet for this product.

Shelf-life & Storage

Daikin PTFE aqueous dispersions will slowly settle from standing over time. In order to obtain optimum shelf life, PTFE dispersions should be stored at 40°F - 77°F and gently agitated or stirred once per month to re-disperse stratified or lightly settled PTFE particles. PTFE dispersions should also be gently stirred and filtered just prior to use.

Please note that short exposure to freezing conditions or to temperatures of >150°F will cause irreversible settling of the dispersion.