

Teflon® PTFE DISP 35

Polytetrafluoroethylene

DuPont Fluoropolymers

Message:

DuPont™ Teflon ® PTFE DISP 35 is a milky white aqueous PTFE dispersion stabilized with an anionic dispersant. It is used for co-coagulation with various fillers to produce products with a range of strengths, porosities and colors required for the application. The use of reinforcing agents can offer such advantages as improved resistance to cut-through and abrasion, increased dimensional and form stability, higher rate of heat dissipation and greater resistance to wear. When properly processed, the PTFE resin in DISP 35 exhibits the superior properties typical of the fluoropolymer resin: retention of properties after service at 260 °C (500 °F), and useful properties at -240 °C (-400 °F).

DISP 35 aqueous dispersion provides:

ability
for
co-coagulation
inertness
to
nearly
all
industrial chemicals
and
solvents
stability
at
high
temperatures
excellent
dielectric
properties
lowest
coefficient
of
friction
of
any solid
material
non-stick
characteristics

Typical Applications

DISP 35 is used in the preparation of blends for coating of high performance bearings and seals. DISP 35 can also be co-coagulated with special ingredients to be formed into specific end-uses, such as fuel cell electrodes.

Teflon ® PTFE DISP 35 meets the requirements of ASTM D 4441-98, type I, grade 2, class A.

General Information	
Features	Good Chemical Resistance
	Good Electrical Properties
	Low Friction
	Non-Stick
	Solvent Resistant
Uses	Blending
	Coating Applications
Appearance	White

Forms	Dispersion		
Processing Method	Dip Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- ¹	2.21	g/cm ³	ISO 12086, ASTM D4895
-- ²	1.25	g/cm ³	ISO 8962, ASTM D4441
Average Particle Size	220	nm	Internal Method
pH			
--	10.0		ASTM E70
--	10.0		ISO 1148
Solids Content - % PTFE by weight			
--	35	%	ASTM D4441
--	35	%	ISO 12086
Brookfield Viscosity			
25°C	25	mPa·s	ISO 2555
25°C	25	mPa·s	ASTM D2196
Surfactant Content - based on PTFE solids			
--	2.2	%	ISO 12086
--	2.2	%	ASTM D4441
NOTE			
1.	of Sintered Resin		
2.	at 35% solids		

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