

Teflon® PTFE DISP 30

Polytetrafluoroethylene

DuPont Fluoropolymers

Message:

DuPont™ Teflon® PTFE DISP 30 is a milky white aqueous PTFE dispersion stabilized with a non-ionic surfactant. It is a general-purpose product, often preferred for coating and impregnating woven goods and for some coating processes. It imparts properties unique to PTFE resin to porous structures, as well as to base materials when used as an additive. When properly processed, the PTFE resin in DISP 30 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 30 aqueous dispersion provides:

inertness

to

nearly

all

industrial chemicals

and

solvents

stability

at

high

temperatures

excellent

dielectric

properties

lowest

coefficient

of

friction

of

any solid

material

excellent

weatherability

non-stick

characteristics

Typical Applications

Coated

woven

fiber-glass

fabric

used

in architectural, high-performance industrial, food processing and electronics applications

Impregnated

packing

made

from

braided

fibers for

severe chemical and thermal service

Cast

film

for

capacitor

dielectrics

or chemical

barriers

Surface

coatings

for
metallic
or
other high-temperature substrates
Anti-drip
additive
for
plastics
Binder
for
battery
anode
or
cathode matrixes
PTFE
DISP
30
meets
the
requirements
of
ASTM
D
4441-04,
type
II,
grade
6,
class
A.

General Information	
Features	Food Contact Acceptable
	Good Chemical Resistance
	Good Electrical Properties
	Good Weather Resistance
	Low Friction
	Non-Stick
	Solvent Resistant
Uses	Additive
	Cast Film
	Coating Applications
	Fabric Coatings
	Industrial Applications
	Non-specific Food Applications
Agency Ratings	Wovens Coatings
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	FDA 21 CFR 177.1550

Appearance	White
Forms	Dispersion
Processing Method	Cast Film Dip Coating

Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- ¹	2.21	g/cm ³	ISO 12086, ASTM D4895
-- ²	1.51	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			
--	60	%	ASTM D4441
--	60	%	ISO 12086
Brookfield Viscosity			
25°C	25	mPa·s	ISO 2555
25°C	25	mPa·s	ASTM D2196
Surfactant Content - based on PTFE solids			
--	6.0	%	ISO 8963
--	6.0	%	ASTM D4442

NOTE

1. of Sintered Resin
2. at 60% solids

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