

Teflon® PTFE CFP 6000 X

Polytetrafluoroethylene

DuPont Fluoropolymers

Message:

DuPont™ Teflon ® PTFE CFP 6000 X is a polytetrafluoroethylene fine powder resin used primarily for paste extrusion. Teflon ® PTFE CFP 6000 X offers the excellent combination of properties typical of the Teflon ® fluoropolymer resins:

chemical
inertness
to
nearly
all
industrial
chemicals
and
solvents
superior
in-use
thermal
stability
(low thermal
instability
index)
exceptional
dielectric
properties, stable
with
frequency
and temperature;
toughness
and
flexibility
low
coefficient
of
friction
non-stick
characteristics
negligible
moisture
absorption
excellent
weather
resistance
service
temperature
up to 260°C (500°F)
useful
properties
at
-240
°C
(-400
°F)
moderate
stiffness
and
high ultimate elongation
Teflon ®

PTFE
CFP
6000
X
is esigned
for
processing
at
medium to
high
reduction
ratios
(250:1
to
3000:1).
It is
particularly
suitable for
production
of
wire
coating,
wire
jacketing
and
tubing
at fast sintering
rates
with
superior
thermal stability
in
use.

Teflon ®
PTFE
CFP
6000
X meets
the
requirements
of
ASTM D4895-10,Type
I,
Grade
3,
Class
C.

Typical Applications
Teflon ®
PTFE
CFP
6000
X
is designed
for
use
as
wire
&
cable insulation
and
small

diameter,
thin
wall
tubing.

General Information			
Features	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Electrical Properties		
	Good Flexibility		
	Good Stiffness		
	Good Thermal Stability		
	Good Toughness		
	Good Weather Resistance		
	High Elongation		
	Low Friction		
	Low Moisture Absorption		
	Solvent Resistant		
Uses	Cable Jacketing		
	Insulation		
	Tubing		
	Wire & Cable Applications		
Agency Ratings	EU 10/2011		
	FDA 21 CFR 177.1550		
Forms	Powder		
Processing Method	Extrusion		
	Wire & Cable Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.18	g/cm ³	ISO 12086, ASTM D4895
Apparent Density	0.46	g/cm ³	ASTM D4895, ISO 12086
Average Particle Size			
--	520	µm	ISO 12086
--	520	µm	ASTM D4895
Thermal Instability Index			
--	< 15.0		ASTM D4895
--	< 15.0		ISO 12086
Extrusion Pressure - at RR = 1600:1			
--	41.4	MPa	ASTM D4895


--	41.4	MPa	ISO 12086
Thermal	Nominal Value	Unit	Test Method
Melting Temperature			ASTM D4895, ISO 12086
-- ¹	325	°C	
-- ²	342	°C	
NOTE			
1.	Second		
2.	Initial		

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