Teflon® PTFE 669N X

Polytetrafluoroethylene

DuPont Fluoropolymers

Message:

DuPont ™ Teflon ® PTFE 669N X is a polytetrafluoroethylene fine powder resin used primarily for paste extrusion. Teflon ® PTFE 669N X offers the excellent combination of properties typical of the Teflon ® fluoropolymer resins:
non-aging
characteristics;
chemical
inertness
to
nearly
all industrial
chemicals
and solvents;
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
669N
X
is

designed for processing at very low to medium reduction ratios (10:1 to 500:1). It is particularly suitable for production of pipe liners and general tubing. Teflon ® PTFE 669N X meets the requirements of ASTM D4895-91a, Type I, Grade 2, Class A.

Typical Applications

Teflon ® PTFE 669N X is mainly used for the production of pipe liners used in the chemical industry. It is also used for making tubing and unsintered tape for mechanical, chemical and electrical applications.

General Information	
UL YellowCard	E54681-244687
Features	Food Contact Acceptable
	Good Chemical Resistance
	Good Electrical Properties

	Good Flexibility
	Good Stiffness
	Good Toughness
	Good Weather Resistance
	High Elongation
	Low Friction
	Low Moisture Absorption
	Solvent Resistant

Uses	Liners
	Tape
	Tubing

Agency Ratings	EU 10/2011
	FDA 21 CFR 177.1550

Forms	Powder
Processing Method	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.17	g/cm³	ISO 12086, ASTM D4895
Apparent Density	0.52	g/cm³	ASTM D4895, ISO 12086
Average Particle Size			
--	450	µm	ISO 12086
--	450	µm	ASTM D4895
Extrusion Pressure - at RR = 100:1			
--	7.50	MPa	ISO 12086
--	7.50	MPa	ASTM D4895

Thermal	Nominal Value	Unit	Test Method
Melting Temperature			ASTM D4895, ISO 12086
-- [1]	326	°C	
-- [2]	344	°C	

NOTE	
1.	Second
2.	Initial

Recommended distributors for this material

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