

# Teflon® PTFE 807N X

Polytetrafluoroethylene

DuPont Fluoropolymers

## Message:

Teflon ® PTFE 807N X is a free flowing PTFE granular resin designed for compression or automatic molding and ram extrusion (low back pressure). It offers an excellent combination of properties that are characteristic of Teflon ® fluoropolymer resins:

- chemical inertness,
- exceptional dielectric properties,
- heat resistance,
- toughness and flexibility,
- low coefficient of friction,
- non-stick characteristics,
- negligible water absorption,
- excellent weather resistance.

Teflon ® PTFE 807N X is a multi-purpose PTFE resin which yields high productivity due to its high fill density. It is easy to process, handle and machine. It also has excellent end-use properties.

## Typical Applications

Can be fabricated into billets for skived tape, basic shapes and moldings. It can be used for applications such as:

- seals,
- valve seats,
- bearing pads,
- linings,
- gaskets,
- electrical/electronic parts.

General Information	
Features	Food Contact Acceptable
	Good Chemical Resistance
	Good Electrical Properties
	Good Flexibility
	Good Processability
	Good Toughness
	Good Weather Resistance
	Low Friction
	Low Moisture Absorption
	Machinable
	Medium Heat Resistance
	Solvent Resistant
Uses	Bearings
	Electrical Parts
	Gaskets
	Liners
	Seals
	Tape
	Valves/Valve Parts

Agency Ratings	EU 10/2011 FDA 21 CFR 177.1550
Forms	Granules
Processing Method	Compression Molding Extrusion Ram Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.16	g/cm <sup>3</sup>	ISO 12086, ASTM D4894
Apparent Density	0.90	g/cm <sup>3</sup>	ASTM D4894, ISO 12086
Water Absorption			
Equilibrium	< 0.040	%	ASTM D4894
Equilibrium, 23°C, 50% RH	< 0.040	%	ISO 12086
Average Particle Size	550	µm	ISO 13320-1
Thermal Instability Index			
--	5.00		ASTM D4894
--	5.00		ISO 12086
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (0.130 mm)	33.0	MPa	ASTM D4894, ISO 12086
Tensile Elongation <sup>2</sup> (Yield, 0.130 mm)	320	%	ASTM D4894, ISO 12086
Thermal	Nominal Value	Unit	Test Method
Melting Temperature			ASTM D4894, ISO 12086
-- <sup>3</sup>	327	°C	
-- <sup>4</sup>	344	°C	

NOTE	
1.	Measured on skived tapes
2.	Measured on skived tapes
3.	Second
4.	Initial

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT