

Teflon® PTFE 60 X

Polytetrafluoroethylene

DuPont Fluoropolymers

Message:

DuPont™ Teflon® PTFE 60 X is a polytetrafluoroethylene fine powder resin used primarily for paste extrusion. Teflon® PTFE 60 X offers the excellent combination of properties typical of the Teflon® fluoroplastic 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 60 X is designed for processing at low to medium reduction ratios of 10:1 to 300:1. It is designed to facilitate the production of high-quality, low-density tape and beading.

Teflon® PTFE 60 X meets the requirements of ASTM D 4895-10, Type I, Grade 2, Class A.

General Information			
Features	Low friction coefficient		
	Low hygroscopicity		
	Rigid, good		
	Solvent resistance		
	Good electrical performance		
	Good flexibility		
	Good chemical resistance		
	Good weather resistance		
	Good toughness		
	Extended tensile rate		
Uses	Strap		
	Sealant		
	Seals		
Agency Ratings	FDA 21 CFR 177.1550		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.18	g/cm ³	ASTM D4894, ISO 12086
Apparent Density	0.50	g/cm ³	ASTM D4894, ISO 12086
Average Particle Size			
--	500	µm	ASTM D4894

--	500	μm	ISO 12086
Thermal Instability Index			
--			ISO 12086
--			ASTM D4894
Thermal	Nominal Value	Unit	Test Method
Melting Temperature			
-- ¹	327	°C	ISO 12086, ASTM D4894
-- ²	342	°C	ASTM D4894, ISO 12086
Extrusion instructions			
Extrusion Pressure at RR=100:1 - 8 MPa according to ASTM D4895/ISO 12086			
NOTE			
1.	Second		
2.	Initial		

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