Tefzel® HT-2202

Ethylene Tetrafluoroethylene Copolymer

DuPont Fluoropolymers

Message:

DuPont™ Tefzel® HT-2202 fluoropolymer is a special-purpose resin available in 2.5-mm (0.1-in.) pellets. Tefzel® HT-2202 is a modified ETFE resin designed to promote adhesion between polyamide resins and ETFE resins.
Tefzel® HT-2202 and the other Tefzel® fluoropolymers are melt processible, modified copolymers of ethylene and tetrafluoroethylene. They are high-performance resins that can be processed at relatively high rates compared with fluorocarbon resins. They are mechanically tough and offer an excellent balance of properties.
Tefzel® HT-2202 is an easy-to-process adhesive material. Tefzel® HT-2202 is inert to most solvents and chemicals, hydrolytically stable, and weather resistant. Recommended upper service is 150°C (302°F); useful properties are retained at cryogenic ranges. The level and stability of dielectric properties are excellent. Mechanical properties include outstanding high-impact strength, cut-through, and abrasion resistance.
Typical End Products
Tefzel ® HT-2202 is ideal for many end products, including electrical components, such as sleeving, coil forms, sockets, connectors, and switches; lab ware, multi-layer tubing, valves, containers, and fasteners; battery or instrument components that require chemical inertness; and mechanical parts.

General Information	
Features	Copolymer
	Solvent resistance
	Impact resistance, high
	Good electrical performance
	Good wear resistance
	Good chemical resistance
	Good weather resistance
	Good toughness
	Hydrolysis stability
Uses	Electrical/Electronic Applications
	Valve/valve components
	Pipe fittings
	Fasteners
	Switch
	Connector
	Container
	Laboratory apparatus
	Adhesive
Forms	Particle
Processing Method	Blow molding
	Extrusion
	Resin transfer molding
	Compression molding
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (297°C/5.0 kg)	7.0	g/10 min	ASTM D3159
Water Absorption (24 hr)	7.0E-3	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	35.0	MPa	ASTM D3159
Tensile Elongation (Break, 23°C)	250	%	ASTM D3159
Flexural Modulus (23°C)	1000	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	250 - 280	°C	ASTM D3159
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	30 - 32	%	ASTM D2863
Additional Information			

Weather and Chemical Resistance: Excellent

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