



Dyneon™

Fluorothermoplastics

FEP 6322

Dyneon FEP 6322 was designed primarily for high-speed extrusion for wire insulation.

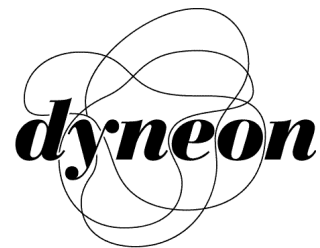
Its distinguishing features include:

- High extrusion speed
- High thermal stability
- Wide processing window
- Superior electrical properties
- Excellent low smoke and low flame properties

General properties of this FEP grade are shown below:

Typical Properties (Data not for specification purposes)

Property	Test Method	Unit	Value
Specific Gravity	ASTM D792	g/cm ³	2.15
Melt Flow Index (372°C/5 kg)	ASTM D1238	g/10 min	22
Melting Point	ASTM D4591	°C	255
		°F	490
Brittleness Temp.	ASTM D746	°C	< -70
		°F	< -94
Tensile Strength at Break (23°C)	ASTM D638	MPa	20
		psi	2,900
Elongation at Break (23°C)	ASTM D638	%	300
Flexural Modulus	ASTM D790	MPa	580
		psi	84,000
Izod Impact (notched, -40°C)	ASTM D256	ft.lb./in	3.7
		J/m	196
Dielectric Strength (5 mil film)	ASTM D149	kV/mil	2.4
Dielectric Constant	ASTM D150	1 kHz	≤ 2.15
		1 MHz	≤ 2.15
Dissipation Factor	ASTM D150	1 kHz	< 0.0003
		1 MHz	≤ 0.0009
Vertical Burn (UL94)	UL Bulletin 94		V-O
Limiting Oxygen Index	ASTM D2863	%	> 95



A 3M Company

Product Form & Packaging

FEP 6322 is supplied in pellet form. It is packaged in either 25 kg PE bags or 250 kg HDPE drums with a moisture and dust-proof PE liner.

Management System—ISO 9001 and ISO 14001

All Dyneon design, development, production and service facilities have achieved a global ISO 9001 registration for their quality management system. In addition, our Gendorf, Germany and Decatur, AL locations have achieved ISO 14001 for their environmental management system.

Storage and Material Handling

Dyneon FEP 6322 has an unlimited shelf life provided it is stored in a clean, dry place. Dyneon FEP 6322 is hydrophobic, and generally does not require drying before processing unless high humidity conditions create surface moisture adsorption.

Safety/Toxicology

These are fluoroplastic materials, so normal precautions observed with fluoroplastics should be followed. Before processing these products, consult the Material Safety Data Sheet and follow all label directions and handling precautions. General handling/processing precautions include: (1) Process only in well ventilated areas; (2) Do not smoke in areas contaminated with powder/residue from these products; (3) Avoid eye contact; (4) After handling these products wash any contacted skin with soap and water. Potential hazards, including evolution of toxic vapors, can exist if processing occurs under excessively high temperature conditions. Vapor extractor units should be installed above processing equipment. When cleaning processing equipment, do not burn off any of this product with an open flame or in a furnace.

For further assistance please contact your Dyneon sales representative.

Technical Information and Test Data

Technical information, test data, and advice provided by Dyneon personnel are based on information and tests we believe are reliable and are intended for persons with knowledge and technical skills sufficient to analyze test types and conditions, and to handle and use raw polymers and related compounding ingredients. No license under any Dyneon or third party intellectual rights is granted or implied by virtue of this information.

Important Notice:

Because conditions of product use are outside Dyneon's control and vary widely, user must evaluate and determine whether a Dyneon product will be suitable for user's intended application before using it. **The following is made in lieu of all express and implied warranties (including warranties of merchantability and fitness for a particular purpose): If a Dyneon product is proved to be defective, Dyneon's only obligation, and user's only remedy, will be, at Dyneon's option, to replace the quantity of product shown to be defective when user received it or to refund user's purchase price. In no event will Dyneon be liable for any direct, indirect, special, incidental, or consequential loss or damage, regardless of legal theory, such as breach of warranty or contract, negligence, or strict liability.**

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