



Dyneon™

PFA 6502T Z

PFA with Excellent Thermal Stability

Dyneon PFA 6502T Z is a fluorothermoplastic resin for transfer molding applications and extrusion of claddings and linings. PFA 6502T Z allows for easy processing under low shear rates, with a wide processing window and excellent color stability. This material can be used in tough environments, such as chemical industry applications, where high strength and extreme thermal and chemical resistance are required.

Product Features:

- High limiting oxygen index: does not support combustion
- Good non stick characteristics
- Excellent electrical insulation properties
- Excellent mold release
- Good low friction properties
- Excellent stress crack resistance
- Transfer molding and extrusion
- Wide service temperature range
- Excellent, almost universal resistance to solvents and chemicals
- High Transparency
- Extremely high weathering resistance and UV stability
- Smooth surfaces
- Broad processing window

Typical Properties (Data not for specification purposes)

	Test Method	Unit	Value
Form: Pellets			
Melting Point	ASTM D 4591	°C (°F)	310 (590)
MFI (372°C/5 kg)	ASTM D 1238	g/10min	2
Specific Gravity	ASTM D 792	g/cc	2.15
Tensile Strength At 23°C	ASTM D 638	MPa (psi)	30 (4350)
Ultimate Elongation At 23°C	ASTM D 638	%	380
Hardness Shore D	ASTM D 2240	-	60
LOI	ASTM D 2863	%	>95
Flexural Modulus	ASTM D 790	MPa (psi)	550 (80,000)

Product Form and Packaging

Dyneon PFA 6502T Z is supplied in pellet form in moisture and dust-proof 25 kg (55 lb) polyethylene bags.



Our Worldwide Commitment to Quality

Indicative of our commitment, most Dyneon design, development, production and service facilities have achieved global quality management certification. Production facilities have also received certification for their environmental management system. Please see the Dyneon website (www.dyneon.com) for the most up-to-date certification details.

Storage and Material Handling

PFA 6502T Z has an extended shelf life provided it is stored in a clean, dry place in its original, unopened container. Dyneon PFA 6502T Z is hydrophobic, and generally does not require drying before processing unless high humidity conditions create surface moisture adsorption. Opened containers should be tightly resealed to prevent dust contamination from static charge accumulation and moisture ingress.

Safety/Toxicology

This is a fluoroplastic material, so normal precautions observed with fluoroplastics should be followed. Before processing this product, be sure to read and follow all precautions and directions for use contained in the product label and the Material Safety Data Sheet. General handling/ processing precautions include: (1) Process only in well-ventilated areas; (2) Do not smoke in areas contaminated with powder/ residue from this product; (3) Avoid eye contact; (4) After handling this product 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. Appropriate local exhaust ventilation such as vapor extractor units should be installed above processing equipment. When cleaning processing equipment, do not burn off this product with an open flame or in a furnace.

Food Contact/FDA Regulatory Status

This Dyneon product complies with 21 CFR 177.1550 (perfluorocarbon resins under paragraph (a)(2)) and may be used as coatings or components of coatings for articles intended for repeated food contact use, subject to the provisions, including specifications, conditions of use, and limitations, if any, in this regulation.

Dyneon makes no recommendation about the suitability of this Dyneon product in the user's intended application. It is user's responsibility to determine whether its use of a Dyneon product in a particular application is suitable and will comply with applicable laws and regulations. As appropriate, the user is also responsible for testing its finished product(s) made with Dyneon products to ensure compliance with any applicable specifications, conditions of use, and limitations (including extractives limitations) under applicable laws and regulations such as 21. C.F.R. 177.1550.

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.

Product Stewardship - Replacement Emulsifier. Dyneon fluoroplastic products identified with a "Z" following the product name indicate products that are made using Dyneon's new replacement emulsifier. The new emulsifier is a polymerization aid used to manufacture certain fluoropolymers and is not an intended ingredient in the polymers. The new emulsifier eliminates the use of the former polymerization aid, APFO (ammonium perfluorooctanoate, the ammonium salt of perfluorooctanoic acid (PFOA)), in the manufacture of these fluoropolymers. The use of the replacement emulsifier in the manufacture of these Dyneon products is consistent with Dyneon's product stewardship principles and our commitment to US EPA's Voluntary PFOA Stewardship Program under which fluoropolymer manufacturers agreed to work towards eliminating PFOA in emissions and product content by the year 2015. Dyneon is pleased to report that we will have completely eliminated the use of APFO in our manufacturing processes by the end of December 2008.

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