

# Dyneon™

## Fluorothermoplastic

### THV 815 G

#### Product Features

- Excellent flexibility
- Processing profile allows co-processing with olefinic plastics and hydrocarbon elastomers
- Excellent chemical and permeation resistance
- Bondable to itself and other substrates (for multi-layer constructions)
- High transparency

#### Typical Properties (Data not for specification purposes)

Form	Pellets	
Melting Point	225°C (437°F)	ASTM D4591
Melt Flow Index (265°C/5 kg)	12 g/10 min	ASTM D1238
Specific Gravity	2.06 g/cc	ASTM D792
Tensile at Break	29 MPa (4210 psi)	ASTM D638
Elongation at Break	420%	ASTM D638
Flexural Modulus	525 MPa (76,200 psi)	ASTM D790

#### Introduction

Dyneon THV 815 G provides a balance of low permeation, thermal stability, and melt processability. It can be used to prepare molded parts and extruded films, tubes, profiles and wire coatings. It is useful for applications that require flexibility and good chemical resistance. This product processes at higher temperatures than that of previous THV grades; therefore, the use of corrosion-resistant equipment is suggested.

#### Storage and Material Handling

Dyneon THV 815 G has a shelf life of three years provided it is stored in a clean, dry place in the original unopened container received from Dyneon. Dyneon THV 815 G is hydrophobic, and generally does not require drying before processing unless high humidity conditions create surface moisture adsorption.

#### 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 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.



**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.**

© Dyneon 2005

Issued: 12/05

Printed in USA  
98-0504-1585-4  
All Rights Reserved

**Dyneon Sales Offices:**

Dyneon LLC  
6744 33rd Street North  
Oakdale, MN 55128  
Phone: +1 800 723 9127  
+1 651 733 5353  
Fax: +1 651 737 7686

Dyneon GmbH & Co. KG  
Werk Gendorf  
D-84504 Burgkirchen, Germany  
+49 8679 7 4709

**Product Information:**

+ 1 651 733 5353  
+ 1 800 723 9127

**[www.dyneon.com](http://www.dyneon.com)**

Dyneon is a trademark of 3M.  
Used under license.