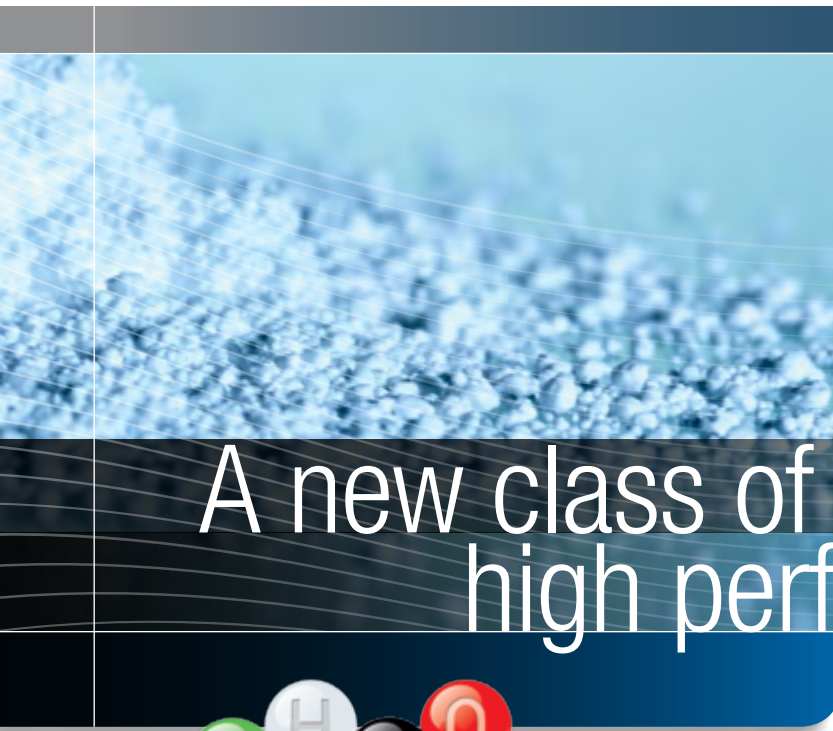


3M™ Dyneon™
New Sealing Technology



A new class of
high performance
compounds



3M

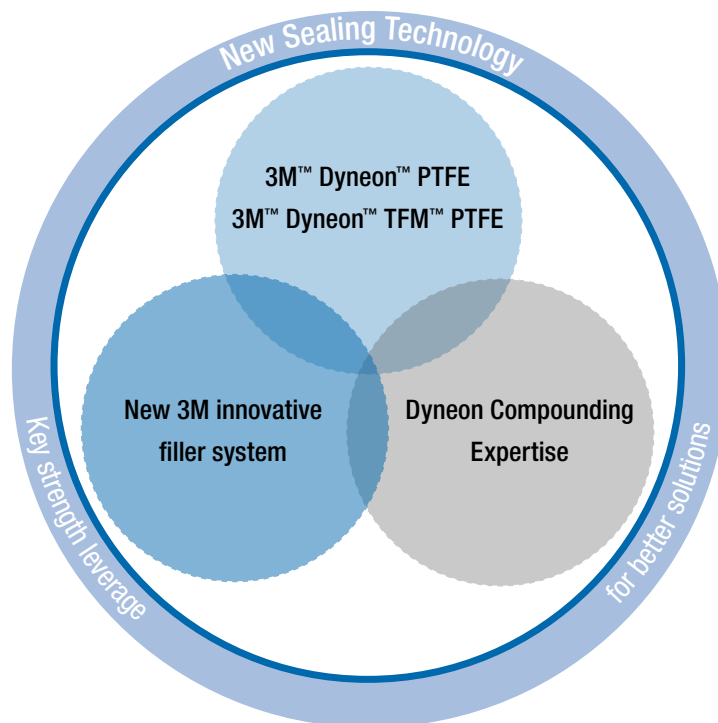


New Sealing Technology best of three worlds

Introduction

The New Sealing Technology (NST) has been recently developed by Dyneon. A new class of high performance 3M™ Dyneon™ PTFE Compounds is now available to support you in mastering upcoming challenges.

The best of three worlds -
Enabling on demand performance in custom-made solutions



Introducing the first product in the series

3M™ Dyneon™ Compound NST 1111R is targeting to provide features required for the next shaft seal generation.

In a two step approach to a proven product performance Dyneon NST 1111R was able to demonstrate its excellence by successfully completing an intensive internal lab test - and an external check-up bench test program in cooperation with the University of Stuttgart.

Benchmarking 3M™ Dyneon™ Compound NST 1111R compared to the rotary shaft seal market standard*

New compound advantage highlights*

· Permeation (He)	98% Improvement
· Friction coefficient	17% Improvement
· Thermal conductivity	13% Improvement

Benefits serving rotary shaft seal applications*

· Optimised seal thickness	→ higher production yield
· Remarkable low leakage	→ environmentally friendly
· Optimised friction & wear behaviour	→ longer service life & less fuel consumption
· Improved physical properties	→ better performance
· Smoother surface finish	→ easy to process

*Benchmark product: 3M™ Dyneon™ PTFE Compound TF 4105 (freeflow 25% glass fibres)

Don't be satisfied with
less performance!
Dyneon Compound NST 1111R



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.

General recommendations on health and safety in processing, on work hygiene and on measures to be taken in the event of accident are detailed in our material safety data sheets.

You will find further notes on the safe handling of fluoropolymers in the brochure "Guide for the safe handling of Fluoropolymers Resins" by PlasticsEurope, Box 3, B-1160 Brussels, Tel. +32 (2) 676 17 32.

The present edition replaces all previous versions. Please make sure and inquire if in doubt whether you have the latest edition.

Important Notice

All information set forth herein is based on our present state of knowledge and is intended to provide general notes regarding products and their uses. It should not therefore be construed as a guarantee of specific properties of the products described or their suitability for a particular application. 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 quality of our products is warranted under our General Terms and Conditions of Sale as now are or hereafter may be in force.

Where to go for
more information



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