

3M Science.
Applied to Life.™

3M™ Dyneon™ Peroxide Cure Perfluoroelastomer PFE 40

Tough seals. Made easy.

**A new, easy to process
peroxide cure perfluoroelastomer
for downhole and chemical
processing applications**

Whether it's 1000 feet down a borehole or a refinery pipeline carrying harsh chemicals, extreme environments require extraordinary sealing materials. Because of their outstanding chemical, thermal and compression set resistance, perfluoroelastomers from 3M are a proven sealing solution in applications where other materials fail.

3M™ Dyneon™ Perfluoroelastomer PFE 40 – the latest addition to 3M's perfluoroelastomer line – combines reliable performance in harsh environments with ease of processing. With Dyneon PFE 40 perfluoroelastomer, you get the outstanding chemical and steam resistance of a peroxide cure elastomer – without sacrificing mechanical properties, and without requiring the addition of acid acceptors like zinc oxide.



- Low Mooney viscosity for improved mold flow and extrusion
- Superb acid, ethylenediamine, steam and water resistance
- Fast curing
- Higher crosslink density
- Strong compression set resistance at 200°C
- Excellent mold release properties



A reliable sealing solution for challenging applications

Helping you build success

By continuing to invest in the development of innovative products like 3M™ Dyneon™ Peroxide Cure Perfluoroelastomer PFE 40, 3M is reaffirming its commitment to this industry – and to your continued success. Toward that end, we are also adding to our global fluoroelastomer production capacity, and will soon inaugurate our new 3M Corporate Research Center, which is destined to become a hub of innovation for fluoroelastomer product development.



- Oil and gas downhole seals
- Petrochemical pump seals
- Reactors
- Mixers
- Ink/printing systems
- Painting systems
- Rubber-metal bonding parts

As always, 3M Application and Product Development Engineers and Chemists are ready to help you find the best solution for your most challenging applications. Contact us today at www.3M.com/advancedmaterials.

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