3M™ Dyneon™ Fluoroelastomer FE 5624Q

Fluoroelastomer

3M Advanced Materials Division

Message:

3M™ Dyneon™ Fluoroelastomer FE 5624Q is a dipolymer made from hexafluoropropylene and vinylidene fluoride. FE 5624Q has an incorporated bisphenol cure system.
Special Features
Composition: dipolymer of vinylidene fluoride and hexafluoropropylene
Proprietary incorporated cure technology
Process targets: injection and transfer moulding, extrusion and calendering
Excellent mould release - can be used in automated injection moulding equipment
Fast curing version of 3M™ Dyneon™ Fluoroelastomer FE 5620Q
Improved cure technology helps promote more consistent part size from successive moulding cycles
Improved scorch resistance at high moulding temperatures
Clean running
Compounds prepared from Dyneon FE 5624Q can be formulated to meet Mil-R-83248
Typical Applications
3M™ Dyneon™ Fluoroelastomer FE 5624Q is suitable for usage in injection moulding (e.g. production of O-rings) and extrusion applications.

General Information	
Features	Fast curing Good demoulding performance
Uses	O-rings
Agency Ratings	MIL R-83248
Appearance	Opacity White-like
Forms	Thick sheet
Processing Method	Extrusion Resin transfer molding Calendering Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm³	Internal method
Mooney Viscosity (ML 1+10, 121°C)	29	MU	Internal method
Fluorine Content	66	%	Internal method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	78		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (100% Strain)	6.50	MPa	ASTM D412A
Tensile Strength [2]	15.4	MPa	ASTM D412A
Tensile Elongation [3] (Break)	210	%	ASTM D412A

Compression Set			ASTM D1414
200°C, 70 hr [4]	20	%	ASTM D1414
200°C, 70 hr [5]	15	%	ASTM D1414

NOTE	
1.	D mould
2.	Die D
3.	D mould
4.	Post cured 16 hours @ 230°C
5.	Post cured 24 hours @ 260°C

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China