# 3M<sup>™</sup> Dyneon<sup>™</sup> Fluoroelastomer FC 2124

#### Fluoroelastomer

#### 3M Advanced Materials Division

#### Message:

3M™ Dyneon™ Fluoroelastomer FC 2124 is a dipolymer made from hexafluoropropylene and vinylidene fluoride. FC 2124 has an incorporated bisphenol cure system

**Special Features** 

Composition: dipolymer of vinylidene fluoride and hexafluoropropylene

Proprietary incorporated cure technology

Excellent hot tear properties for moulding articles with complex geometric profiles

Process target: injection and transfer moulding, extrusion, bonding and calendering

Faster curing version of 3M™ Dyneon™ Fluoroelastomer FC 2123

Clean running with excellent mould release

Excellent compression set resistance for moulded goods

**Typical Applications** 

3M™ Dyneon™ Fluoroelastomer FC 2124 is suitable for the manufacture of moulded goods and products which require a good bonding between rubber and metal

General Information				
Features	Adhesiveness			
reatures				
	Good demoulding performance			
Uses	Bonding			
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)	23	MU	Internal method	
Fluorine Content	66	%	Internal method	

1 Hysical	Normal Value	Offit	rest wicthou
Specific Gravity	1.80	g/cm³	Internal method
Mooney Viscosity (ML 1+10, 121°C)	23	MU	Internal method
Fluorine Content	66	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (100% Strain)	3.60	МРа	ASTM D412A
Tensile Strength <sup>2</sup>	16.5	MPa	ASTM D412A
Tensile Elongation <sup>3</sup> (Break)	300	%	ASTM D412A
Compression Set			ASTM D1414
200°C, 70 hr <sup>4</sup>	22	%	ASTM D1414

200°C, 70 hr <sup>5</sup>	20	%	ASTM D1414		
NOTE					
1.	D mould				
2.	Die D	Die D			
3.	D mould	D mould			
4.	Post cured 16 hours (	Post cured 16 hours @ 230°C			
5.	Post cured 24 hours @ 260°C				

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

### 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

