3M™ Dyneon™ 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 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
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	70		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (100% Strain)	3.60	MPa	ASTM D412A
Tensile Strength [2]	16.5	MPa	ASTM D412A
Tensile Elongation [3] (Break)	300	%	ASTM D412A
Compression Set			ASTM D1414
200°C, 70 hr [4]	22	%	ASTM D1414

200°C, 70 hr [5]	20	%	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