3M™ Dyneon™ Fluoroelastomer FC 1610N

Fluoroelastomer

3M Advanced Materials Division

Message:

3M™ Dyneon™ Fluoroelastomer FC 1610N is a dipolymer made from hexafluoropropylene and vinylidene fluoride. It is a raw gum without curatives.
Special Features
Composition: dipolymer of vinylidene fluoride and hexafluoropropylene
Process targets: injection moulding, extrusion, calendering and coatings
Low viscosity gum stock without incorporated curatives
Amine and bisphenol curable
Typical Applications
3M™ Dyneon™ Fluoroelstomer FC 1610N is suitable for all sorts of finished products: O-rings, moulded parts, including metal bonding products, extrudates and calendered sheets, depending on the curative package and compound recipe used.

General Information	
Features	Low viscosity
Uses	O-rings Metal bonding Sheet Coating application
Forms	Particle
Processing Method	Extrusion Coating Calendering Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm³	Internal method
Mooney Viscosity (ML 1+10, 121°C)	17	MU	Internal method
Fluorine Content	66	%	Internal method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	73		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (100% Strain)	6.70	MPa	ASTM D412A
Tensile Strength [2]	13.7	MPa	ASTM D412A
Tensile Elongation [3] (Break)	170	%	ASTM D412A
Compression Set (200°C, 70 hr)	15	%	ASTM D1414

NOTE	
1.	D mould
2.	Die D
3.	D mould

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