3M™ Dyneon™ Fluoroelastomer MIP 8640X

Fluoroelastomer

3M Advanced Materials Division

Message:

3M™ Dyneon™ Fluoroelastomer MIP 8640X is a dipolymer made from hexafluoropropylene and vinylidene fluoride. MIP 8640X has an incorporated bisphenol cure system.
Special Features
Composition: dipolymer of vinylidene fluoride and hexafluoropropylene
Process targets: injection, compression and transfer moulding
Proprietary incorporated cure technology
Improved cure technology resulting in more consistent part size from successive moulding cycles
Excellent barwelling / extrusion characteristics for fast and consistent preform production
Improved scorch resistance at high moulding temperatures
Excellent mould release - can be used in automated injection moulding equipment
Clean running
Typical Applications
3M™ Dyneon™ Fluoroelastomer MIP 8640X is suitable for the manufacture of O-rings produced in an injection moulding process.

General Information	
Features	Good demoulding performance
Uses	O-rings
Appearance	Opacity White-like
Forms	Thick sheet
Processing Method	Resin transfer molding Compression molding Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm³	Internal method
Mooney Viscosity (ML 1+10, 121°C)	43	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)	7.80	MPa	ASTM D412A
Tensile Strength [2]	15.0	MPa	ASTM D412A
Tensile Elongation [3] (Break)	180	%	ASTM D412A
Compression Set			ASTM D1414
200°C, 70 hr [4]	21	%	ASTM D1414
200°C, 70 hr [5]	19	%	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