3M™ Dyneon™ Fluoroelastomer FT 2481

Fluoroelastomer

3M Advanced Materials Division

Message:

3M™ Dyneon™ Fluoroelastomer FT 2481 is a terpolymer made from hexafluoropropylene, vinylidene fluoride and tetrafluoroethylene. It is a raw gum without curatives.
Special Features
Composition: terpolymer of vinylidene fluoride, hexafluoropropylene and tetrafluoroethylene
Process targets: compression moulding
Amine and bisphenol curable
High viscosity gum stock without incorporated curatives
Improved resistance to organic solvents compared to dipolymers

General Information			
Features	Terpolymer Viscosity, High		
Uses	O-rings		
Forms	Thick sheet		
Processing Method	Compression molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.86	g/cm³	Internal method
Mooney Viscosity (ML 1+10, 121°C)	75	MU	Internal method
Fluorine Content	69	%	Internal method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	75		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (100% Strain)	5.50	MPa	ASTM D412A
Tensile Strength [2]	15.2	MPa	ASTM D412A
Tensile Elongation [3] (Break)	220	%	ASTM D412A
Compression Set (200°C, 70 hr)	24	%	ASTM D1414
NOTE			
1.	D mould		
2.	Die D		
3.	D mould		

Recommended distributors for this material

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