

Solvay Specialty Polymers Tecnoflon[®] FOR TF 636 Fluoroelastomer

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

Material Notes:

TECNOFLON[®] FOR TF 636 is a medium-low viscosity cure incorporated fluoroelastomer terpolymer designed to provide improved low temperature characteristics. Tecnoflon[®] FOR TF 636 exhibits the same excellent heat and chemical resistance expected from Tecnoflon[®] copolymers. Tecnoflon[®] FOR TF 636 can be used for compression, injection and transfer molding of O-rings, diaphragms, gaskets, seals, molded shapes or other items requiring improved low temperature performance. Tecnoflon[®] FOR TF 636 can be combined with the cure system and other typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two roll mills or internal mixers. Features: Good Chemical Resistance; Good Mold Release; High Flow; High Heat Resistance; Low Compression Set; Medium-low Viscosity; Terpolymer Uses: Belts/Belt Repair; Blending; Diaphragms; Gaskets; Hose; Profiles; Seals; Sheet Additional Properties: Compound Tested - 6 %; Compound Tested - 3 %; Compound Tested - 30 %; Compound Tested - 100 %; Fluorine Content - Internal Method 66 %; MDR 6 min @ 177[°]C arc 0.5[°] - ASTM D6601 3.0 N[·]m; MDR 6 min @ 177[°]C arc 0.5[°] - ASTM D6601 0.16 N[·]m; MDR 6 min @ 177[°]C arc 0.5[°] - ASTM D6601 1.4 min; MDR 6 min @ 177[°]C arc 0.5[°] - ASTM D6601 2.1 min; MDR 6 min @ 177[°]C arc 0.5[°] - ASTM D6601 1.2 min; Mooney Scorch MS 135[°]C - ASTM D1646 28 MU; Mooney Scorch MS 135[°]C - ASTM D1646 24.0 min; ODR 12 min @ 177[°]C arc 3[°] - ASTM D2084 15 N[·]m; ODR 12 min @ 177[°]C arc 3[°] - ASTM D2084 1.5 N[·]m; ODR 12 min @ 177[°]C arc 3[°] - ASTM D2084 3.5 min; ODR 12 min @ 177[°]C arc 3[°] - ASTM D2084 2.0 min; Solubility - Ketones and esters; Temperature Retraction - ASTM D1329 -19 [°]C; Temperature Retraction - ASTM D1329 -14 [°]C; Temperature Retraction - ASTM D1329 -10 [°]C Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Tecnoflon-FOR-TF-636-Fluoroelastomer.php

Physical Properties	Metric	English	Comments
Density	1.81 g/cc	0.0654 lb/in ³	ASTM D792
Mooney Viscosity	31 - 61 @Temperature 121 [°] C	31 - 61 @Temperature 250 [°] F	ML 1+10; ASTM D1646

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76	76	ASTM D2240
Tensile Strength	18.4 MPa	2670 psi	Die C; ASTM D412
Elongation at Break	170 %	170 %	Die C; ASTM D412
100% Modulus	0.00820 GPa	1.19 ksi	Die C; ASTM D412

Descriptive Properties	Value	Comments
Availability	Europe; North America	
Color	Off-White	

Form Descriptive Properties	Slab Value	Comments
Processing Technique	Calendering; Compounding	
	Compression Molding; Extrusion	
	Injection Molding; Resin Transfer Molding	

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