

Solvay Specialty Polymers Solef® 60512/0550 and 60512/0150 Polyvinylidene Fluoride (PVDF)

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF , Polyvinylidene fluoride (PVDF), Molded/Extruded

Material Notes:

Solef® 60512/0550 and Solef® 60512/0150 are PVDF grades compounded with PTFE for extrusion of anti-wear tapes. Features:

Copolymer Uses: Tape Additional Properties: Crystallization Heat - ASTM D3417 38.0 to 48.0 J/g; Heat of Fusion - ASTM D3417 41.0 to 50.0

J/g Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Solef-605120550-and-605120150-Polyvinylidene-Fluoride-PVDF.php

Physical Properties	Metric	English	Comments
Density	1.80 - 1.82 g/cc	0.0650 - 0.0658 lb/in ³	ISO 1183
Water Absorption	<= 0.040 % @Time 86400 sec	<= 0.040 % @Time 24.0 hour	ISO 62
Melt Flow	2.0 - 4.5 g/10 min @Load 10.0 kg, Temperature 230 °C	2.0 - 4.5 g/10 min @Load 22.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 - 40.0 MPa @Thickness 1.50 mm	4350 - 5800 psi @Thickness 0.0591 in	50 mm/min; ASTM D638
Tensile Strength, Yield	30.0 - 40.0 MPa @Thickness 1.50 mm	4350 - 5800 psi @Thickness 0.0591 in	50 mm/min; ASTM D638
Elongation at Break	50 - 300 %	50 - 300 %	50 mm/min; ASTM D638
Elongation at Yield	8.0 - 12 %	8.0 - 12 %	50 mm/min; ASTM D638
Tensile Modulus	1.10 - 1.35 GPa @Thickness 1.50 mm	160 - 196 ksi @Thickness 0.0591 in	1.0 mm/min; ASTM D638
Coefficient of Friction, Dynamic	0.10 - 0.20	0.10 - 0.20	vs. Itself; ASTM D1894
Coefficient of Friction, Static	0.050 - 0.20	0.050 - 0.20	vs. Itself; ASTM D1894
Taber Abrasion, mg/1000 Cycles	5.0 - 10	5.0 - 10	CS-10 Wheel, 1000 g; ASTM D1044

Thermal Properties	Metric	English	Comments
Melting Point	170 - 174 °C	338 - 345 °F	DSC

Crystallization Temperature	144 - 148 °C	291 - 298 °F	Peak: ASTM D3418
Thermal Properties	Metric	English	Comments

Descriptive Properties	Value	Comments
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	Latin America	
	North America	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China