

FLEXITEQ™ F60A571

Thermoplastic Vulcanizate

Marplex Australia Pty. Ltd.

Message:

FLEXITEQ™ F60A571 is a flame retardant thermoplastic vulcanisate material based on Santoprene rubber technology.

It has excellent flame retardant properties, designed to meet the requirements of AS1530.2 for Window Glazing Applications while retaining the usual benefits of Santoprene thermoplastic rubbers, soft touch, excellent compression set and sealing properties.

FLEXITEQ™ F60A571 is supplied in black and maintains excellent UV performance in outdoor applications.

FLEXITEQ™ F60A571 is ROHS compliant.

Note: The letters "UV" or "W" indicate additional UV stabilisation [ie: FLEXITEQ™ F60A571UV].

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good UV Resistance		
	Low Compression Set		
	Soft		
Agency Ratings	AS 1530.2		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	2.00	MPa	ASTM D412
Tensile Strength ² (Break)	4.00	MPa	ASTM D412
Tensile Elongation ³ (Break)	250	%	ASTM D412
Tear Strength ⁴ (23°C)	25.0	kN/m	ASTM D624
Compression Set ⁵ (23°C, 70 hr)	28	%	ASTM D395B
Flammability	Nominal Value		Test Method
Flammability Index (1.80 mm)	3.00		AS 1530.2
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	160 to 190	°C	
Middle Temperature	180 to 200	°C	
Front Temperature	180 to 200	°C	
Processing (Melt) Temp	180 to 200	°C	

Mold Temperature	50.0 to 80.0	°C
Injection Pressure	60.0 to 140	MPa
Injection Rate	Moderate	
Back Pressure	0.300 to 0.700	MPa
Screw Speed	50 to 100	rpm

NOTE

1. Die C, 500 mm/min
2. Die C, 500 mm/min
3. Die C, 500 mm/min
4. Die C, 500 mm/min
5. Type 2

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

