

FLEXITEQ™ F65A560

Thermoplastic Vulcanizate

Marplex Australia Pty. Ltd.

Message:

FLEXITEQ™ F65A560 is a flame retardant material developed based on Santoprene™ rubber technology. It is designed to provide excellent flame retardancy to meet the stringent Underwriter's Laboratory UL94 V-0 test whilst retaining the usual benefits of the Santoprene material providing outstanding properties including soft-touch, good colourability and good mouldability. FLEXITEQ™ F65A560 can be processed on conventional thermoplastic equipment for injection moulding. 65A560 has good process thermal stability owing to very stable flame retardant system which complies with the European RoHS requirement.

Note: The letters "UV" or "W" indicate additional UV stabilisation [ie: FLEXITEQ™ F65A560UV].

General Information			
Additive	Flame retardancy		
Features	Good formability		
	Good coloring		
	Thermal stability, good		
	Soft		
	Flame retardancy		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	2.00	MPa	ASTM D412
Tensile Strength ² (Break)	3.00	MPa	ASTM D412
Tensile Elongation ³ (Break)	220	%	ASTM D412
Tear Strength ⁴ (23°C)	19.0	kN/m	ASTM D624
Compression Set ⁵ (23°C, 70 hr)	30	%	ASTM D395B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (1.60 mm)	960	°C	AS/NZS 60695.2.12
Injection	Nominal Value	Unit	
Drying Temperature	75.0 - 80.0	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	160 - 190	°C	
Middle Temperature	180 - 210	°C	
Front Temperature	190 - 210	°C	
Processing (Melt) Temp	190 - 210	°C	
Mold Temperature	10.0 - 50.0	°C	

Injection Rate	Fast	
Back Pressure	0.300 - 0.700	MPa
Screw Speed	100 - 200	rpm
Clamp Tonnage	3.0 - 5.0	kN/cm ²

Injection instructions

Injection Pressure: High

NOTE

1.	Mouth die C, 500 mm/min
2.	C mold, 500 mm/min
3.	Mouth die C, 500 mm/min
4.	C mold, 500 mm/min
5.	Type 2

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