

# FLEXITEQ™ F87A110

Thermoplastic Vulcanizate

Marplex Australia Pty. Ltd.

## Message:

FLEXITEQ™ F87A110 is a formulation based on Santoprene™ rubber technology. It is formulated to incorporate smooth-touch, high flow and good mouldability in a pre-coloured material. This material can be processed on conventional thermoplastic equipment for injection moulding. It is polyolefin based and is completely recyclable.

General Information			
Features	Recyclable materials		
	Good formability		
	High liquidity		
	Soft		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	7.80	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	450	%	ASTM D412
Tear Strength <sup>3</sup>	42.0	kN/m	ASTM D624
Compression Set <sup>4</sup> (23°C, 70 hr)	40	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 85.0	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	170 - 190	°C	
Middle Temperature	180 - 210	°C	
Front Temperature	190 - 210	°C	
Processing (Melt) Temp	200 - 220	°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 <sup>2</sup>	
Injection instructions			
Injection Pressure: Moderate			
NOTE			
1.	C mold, 500 mm/min		
2.	Mouth die C, 500 mm/min		

3.	C mold, 500 mm/min
4.	Type 2

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Recommended distributors for this material

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