

FLEXITEQ™ F50A100

Thermoplastic Vulcanizate

Marplex Australia Pty. Ltd.

Message:

FLEXITEQ™ F50A100 is a formulation based on Santoprene™ rubber technology. It is formulated to incorporate soft-touch and good mouldability. FLEXITEQ™ F50A100 can be processed on conventional thermoplastic equipment for injection moulding. It is polyolefin based and completely recyclable.

General Information			
Features	Recyclable materials		
	Good formability		
	Soft		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	54		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	3.50	MPa	ASTM D412
Tensile Elongation ² (Break)	240	%	ASTM D412
Tear Strength ³	14.0	kN/m	ASTM D624
Compression Set ⁴			ASTM D395B
23°C, 70 hr	22	%	ASTM D395B
70°C, 22 hr	33	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 85.0	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	160 - 180	°C	
Middle Temperature	170 - 200	°C	
Front Temperature	180 - 210	°C	
Processing (Melt) Temp	190 - 210	°C	
Mold Temperature	10.0 - 50.0	°C	
Injection Rate	Moderate		
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.	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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