

FLEXITEQ™ F75A160

Thermoplastic Vulcanizate

Marplex Australia Pty. Ltd.

Message:

FLEXITEQ™ F75A160 is a formulation based on Santoprene™ rubber technology. It has been developed for conventional injection moulding applications requiring high tear resistance and elongation, whilst retaining good compression set. It is polyolefin based and is completely recyclable.

General Information			
Features	Good Tear Strength		
	High Elongation		
	Low Compression Set		
	Recyclable Material		
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)	75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	3.90	MPa	ASTM D412
Tensile Strength ² (Break)	6.50	MPa	ASTM D412
Tensile Elongation ³ (Break)	510	%	ASTM D412
Tear Strength ⁴ (23°C)	42.0	kN/m	ASTM D624
Compression Set ⁵ (23°C, 70 hr)	27	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 70.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	160 to 190	°C	
Middle Temperature	180 to 210	°C	
Front Temperature	190 to 220	°C	
Processing (Melt) Temp	190 to 220	°C	
Screw Speed	100 to 200	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		

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