

FLEXITEQ™ F50D000

Thermoplastic Vulcanizate

Marplex Australia Pty. Ltd.

Message:

FLEXITEQ™ F50D000 is a formulation based on Santoprene™ rubber technology, incorporating good strength, tear resistance and toughness. This material can be processed on conventional thermoplastic equipment for extrusion. It is polyolefin based and is completely recyclable.

General Information			
Features	Recyclable materials		
	Good strength		
	Good tear strength		
	Good toughness		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	60		ASTM D2240
Shaw D, 15 seconds	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹ (3.20 mm)	400	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ²			ASTM D412
Yield	16.0	MPa	ASTM D412
Fracture	19.0	MPa	ASTM D412
Tensile Elongation ³ (Break)	600	%	ASTM D412
Tear Strength ⁴ (23°C)	110	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	520	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ASTM D1525 ⁵
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 3.0	hr	
Cylinder Zone 1 Temp.	185 - 205	°C	
Cylinder Zone 3 Temp.	195 - 220	°C	
Cylinder Zone 5 Temp.	200 - 230	°C	
Melt Temperature	200 - 230	°C	
Die Temperature	200 - 230	°C	

Back Pressure	5.00 - 20.0	MPa
Extrusion instructions		
Typical Mesh Screen Combination: 20/40/60		
NOTE		
1.	1.3 mm/min	
2.	C mold, 500 mm/min	
3.	Mouth die C, 500 mm/min	
4.	C mold, 500 mm/min	
5.	标准 B (120°C/h), 压力1 (10N)	

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Recommended distributors for this material

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