

# Hapflex™ 565 FR

Thermoplastic

Hapco Inc.

Message:

The HAPFLEX FR Series products are flame retardant and are available in a 65A, 80A and 50D hardness.They can be used in both Liquid Molding applications (i.e. parts, gaskets, coatings) and electrical insulation applications (i.e. potting and encapsulating). All of these products have a rating of 94 V-0.

General Information			
Features	Fast Cure		
	Flame Retardant		
	Good Abrasion Resistance		
	Good Flexibility		
	Good Toughness		
	Low Shrinkage		
	Low Viscosity		
	Moisture Resistant		
	Shock Resistant		
Uses	Gaskets		
	Liners		
	Molds/Dies/Tools		
	Patterns		
	Rollers		
Appearance	Black		
Forms	Liquid		
Processing Method	Casting		
	Machining		
	Thermoforming		
	Vacuum Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm <sup>3</sup>	ASTM D4669
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D2566
Weight - per cubic inch	18	g	
Gel Time <sup>1</sup> (25°C)	20.0	min	ASTM D2971
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12.0	MPa	ASTM D638

Tensile Strength	6.21	MPa	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>2</sup>	43.8	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Unnotched Izod Impact	No Break		ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Part B	Mix Ratio by Weight: 100, Mix Ratio by Volume: 87		
Thermoset Mix Viscosity (25°C)	670	cP	ASTM D4878
Demold Time (21°C)	240 to 360	min	Internal Method
NOTE			
1.	100 g		
2.	Die C		

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#### Recommended distributors for this material

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