

# Hapflex™ 1021

Thermoplastic

Hapco Inc.

## Message:

HAPFLEX 1000 products are a series of tough, colorless, low Shore A durometer elastomers.

HAPFLEX 1000 products are used in both: mechanical applications - i.e. parts, gaskets, molds, fixtures and ..... electrical insulation applications - i.e. potting and encapsulating.

Colorless castings and high strength are key attributes of the HAPFLEX 1000 Series.

General Information	
Features	Good Flexibility
	Good Toughness
	High Strength
Uses	Electrical/Electronic Applications
	Gaskets
	Industrial Applications
	Molds/Dies/Tools
Appearance	Clear/Transparent
Forms	Liquid
Processing Method	Encapsulating
	Potting

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm <sup>3</sup>	ASTM D4669
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D2566
Weight - per cubic inch	19	g	
Gel Time <sup>1</sup> (25°C)	16.0	min	ASTM D2971
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	20		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2.07	MPa	ASTM D638
Tensile Elongation (Break)	> 1200	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>2</sup>	11.4	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Unnotched Izod Impact	No Break		ASTM D256
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: 200, Mix Ratio by Volume: 200		
Thermoset Mix Viscosity (25°C)	2500	cP	ASTM D4878
Demold Time (21°C)	360 to 480	min	Internal Method
NOTE			
1.	100 g		
2.	Die C		

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