STERalloy™ FDG 2056

Thermoplastic

Hapco Inc.

Message:

STERalloy FDG is the first Liquid Molding Polymer Alloy Series that has been specifically designed for food and drug applications. All of the products in the STERalloy FDG Series exhibit unique physical and chemical properties and have been used in numerous applications where biocompatibility is required.
Key Advantages:
Approvable Materials
Wide range of hardnesses
ROHS compliant
Very high physical properties
Low moisture sensitivity
Easy to use
The food, drug, pharmaceutical, wine, beer, juice, dairy, hospital equipment, and prosthetic industries are just some examples of applications that utilize special products such as STERalloy FDG.
STERalloy FDG Elastomeric Series:
various hardness elastomers, shore 20A - 72D
clear in color
available in 2 speeds - fast and slow
STERalloy FDG Rigid Series:
rigid, tough polymer alloy plastics
high heat distortion
high physical properties

General Information	
Features	Food Contact Acceptable Good Processability
Uses	Filtration Media Food Containers Medical/Healthcare Applications Non-specific Food Applications Pharmaceuticals Prosthetics
RoHS Compliance	RoHS Compliant
Appearance	Opaque
Forms	Liquid

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm³	ASTM D4669
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D2566
Weight - per cubic inch	19	g	
Gel Time [1] (25°C)	16.0 to 20.0	min	ASTM D2971

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50 to 60		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	4.48	MPa	ASTM D638
Tensile Elongation (Break)	950	%	ASTM D638
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength [2]	21.0	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: 400, Mix Ratio by Volume: 400		
Thermoset Mix Viscosity (25°C)	4500	cP	ASTM D4878
Demold Time (21°C)	240 to 360	min	Internal Method
NOTE			
1.	100 g		
2.	Die C		

Recommended distributors for this material

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