

BioSpan® S SPU

Polyurethane
DSM Biomedical Inc.

Message:

BioSpan® S SPU is a Polyurethane product. It can be processed by casting, dip coating, hand lay-up, or spraying and is available in North America. Applications of BioSpan® S SPU include medical/healthcare and food contact applications. Characteristics include:

- Biocompatible
- Fatigue Resistant
- Good Flexibility
- High Strength
- Hydrolytically Stable

General Information			
Features	Biocompatible		
	Fatigue Resistant		
	Good Flexibility		
	High Elongation		
	High Strength		
	Hydrolytically Stable		
	Soft		
Uses	Diaphragms		
	Medical/Healthcare Applications		
Agency Ratings	DMF Unspecified Rating		
	FDA Unspecified Rating		
Appearance	Translucent		
Forms	Liquid		
Processing Method	Casting		
	Dip Coating		
	Hand Lay-up		
	Spraying		
Physical	Nominal Value	Unit	Test Method
Water Absorption (Saturation)	1.1	%	ASTM D570
Average Molecular Weight	180000		ASTM D3593
Initial Modulus	10.4	MPa	ASTM D1708
Contact Angle	94.0	°	
Solution Concentration	20.0	wt%	
Mechanical	Nominal Value	Unit	Test Method

Tensile Stress	38.6	MPa	ASTM D1708
Tensile Elongation (Break)	850	%	ASTM D638
Coefficient of Friction	6.4		ASTM D1894

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