

Filter-bond™ R-37-38

Thermoset, Unspecified

Hapco Inc.

Message:

Filter-bond is a series of casting and potting compounds ideally suited for medical and food contact applications. This Filter-bond R-SERIES is manufactured to ultra-high quality standards and has been used by customers to pass biocompatibility requirements. FILTER-bond R-3738 is a structural adhesive system specifically developed to bond filter media in Filter and Ultrafiltration applications. FILTER-bond R-3738 provides excellent adhesion to similar and non-similar substances. It is also chemically resistant.

General Information			
Features	Food Contact Acceptable		
	Good Adhesion		
	Good Chemical Resistance		
	Medium Rigidity		
Uses	Adhesives		
	Bonding		
	Filtration Media		
	Medical/Healthcare Applications		
	Non-specific Food Applications		
	Sealants		
Appearance	Clear Amber		
	Cream		
Forms	Liquid		
Processing Method	Casting		
	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D4669
Molding Shrinkage - Flow	0.050 to 0.20	%	ASTM D2566
Weight - per cubic inch	20	g	
	96		
Heat Deflection Temperature	100	°C	ASTM D648
Gel Time ¹ (25°C)	36.0 to 52.0	min	ASTM D2971
Cure Time (21°C)	1.0	day	
Hardness	Nominal Value	Unit	Test Method

Durometer Hardness (Shore D)	79 to 89		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2380	MPa	ASTM D638
Tensile Strength (Yield)	70.9	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	1830	MPa	ASTM D790
Flexural Strength	66.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.1	J/m	ASTM D256
Unnotched Izod Impact	59	J/m	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: 31, Mix Ratio by Volume: 33		
Thermoset Mix Viscosity (25°C)	8000 to 14000	cP	ASTM D4878
NOTE			
1.	100 g		

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