

Filter-bond™ R-30-6-1

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.

The FILTER-bond R-30-6 Series feature 3 potting and adhesive systems specifically designed for potting and/or bonding Ultrafiltration products. The FILTER-bond R-30-6 Series DO NOT CONTAIN AROMATIC AMINES or other carcinogenic or mutenogenic materials.

General Information			
Features	Bondability		
	Food Contact Acceptable		
	Good Adhesion		
	Medium Rigidity		
Uses	Adhesives		
	Bonding		
	Filtration Media		
	Medical/Healthcare Applications		
	Non-specific Food Applications		
	Sealants		
Appearance	Clear Amber		
	Clear/Transparent		
Forms	Liquid		
Processing Method	Casting		
	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D4669
Molding Shrinkage - Flow	0.15 to 0.30	%	ASTM D2566
Weight - per cubic inch	19	g	
Heat Deflection Temperature	152	°C	ASTM D648
Gel Time (25°C) ¹	21.0 to 31.0	min	ASTM D2971
Cure Time			Internal Method
21°C	1.0	day	
80°C	0.3 to 0.4	day	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80 to 90		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength (Yield)	85.5	MPa	ASTM D638
Tensile Elongation (Break)	3.9	%	ASTM D638
Flexural Modulus	3360	MPa	ASTM D790
Flexural Strength	101	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	17	J/m	ASTM D256
Unnotched Izod Impact	31	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: 20, Mix Ratio by Volume: 20		
Thermoset Mix Viscosity (25°C)	11000 to 17000	cP	ASTM D4878
NOTE			
1.	100 g		

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