

Filter-bond™ R-30-6

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	1.12	g/cm ³	ASTM D4669
Molding Shrinkage - Flow	0.25 to 0.40	%	ASTM D2566
Weight - per cubic inch	18	g	
Heat Deflection Temperature	173	°C	ASTM D648
Gel Time ¹ (25°C)	38.0 to 48.0	min	ASTM D2971
Cure Time (100°C)	12.0 to 18.0	hr	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80 to 90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2740	MPa	ASTM D638

Tensile Strength (Yield)	82.7	MPa	ASTM D638
Tensile Elongation (Break)	3.7	%	ASTM D638
Flexural Modulus	2990	MPa	ASTM D790
Flexural Strength	97.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	17	J/m	ASTM D256
Unnotched Izod Impact	36	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: 33, Mix Ratio by Volume: 28		
Thermoset Mix Viscosity (25°C)	8000 to 14000	cP	ASTM D4878
NOTE			

1. 100 g

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

