

Rigid Cast RC-8004 FR

Polyurethane
BJB Enterprises, Inc.

Message:

Rigid Cast RC-8004 FR is a polyurethane material. This product is available in North America.
The main features of Rigid Cast RC-8004 FR are:
flame retardant/rated flame
Heat resistance
The typical application field of Rigid Cast RC-8004 FR is: aerospace

General Information			
Features	Heat resistance, high		
Agency Ratings	FAR 25.853		
Appearance	Cream		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Water Absorption (66°C, 24 hr)	0.75	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength	46.2	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength (Yield)	71.8	MPa	ASTM D790
Compressive Strength	87.9	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	104	°C	ASTM D648
1.8 MPa, not annealed	93.3	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.25 mm)	V-0		UL 94
Thermoset	Nominal Value	Unit	Test Method
Thermoset Mix Viscosity	800	cP	ASTM D2393
Demold Time (25°C)	45 - 60	min	
Post Cure Time (25°C)	2.0 - 4.0	hr	
Additional Information			

Mix Ratio, by weight: 60/100Mix Ratio, by volume: 67/100Work Time, 100 g, 77°F: 120 sec

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

