

# Bayfit® 566 (90 Index, 2.8 pcf)

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Bayfit 566 is a water-blown (MDI)/polyether based foam system used to manufacture high resilience (HR) cold-cure flex molded foam with medium to high load bearing properties. This system is characterized by good flow behavior in a wide variety of parts. Applications include office furniture, recreational seating, armrests and cushions. Bayfit 566 foam made at indices ranging from 80 to 105 typically passes the requirements of CAL-117 for flame resistance. Foams made at higher indices typically do not. As with any product, use of the Bayfit 566 system in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Features	Good liquidity		
Uses	Furniture		
	Foam		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Density	0.0449	g/cm <sup>3</sup>	ASTM D3574
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	0.0965	MPa	ASTM D3574
Tensile Elongation (Break)	110	%	ASTM D3574
Tear Resistance	401.8	g/2.5 cm	ASTM D3574
Compression Set			ASTM D3574
50%	3.6	%	ASTM D3574
70%		%	ASTM D3574
IFD			ASTM D3574
25% R : 102 mm	30.0	lb/50 in <sup>2</sup>	ASTM D3574
65% R : 102 mm	82.0	lb/50 in <sup>2</sup>	ASTM D3574
SAG Factor - 65%/25% IFD	2.70		ASTM D3574
Additional Information	Nominal Value	Unit	Test Method

Part A  
Appearance: Dark brown liquid  
Specific Gravity @ 25°C: 1.24  
Viscosity: 28 cps  
Part B  
Appearance: Slightly hazy liquid  
Specific Gravity @ 25°C: 1.02  
Viscosity: 1100 cps  
Cream Time: 10 secGel Time: 50 secFree Rise Density: 2.5 lb/ft<sup>3</sup>Component Temperature: 75 to 90°FMold Temperature: 100 to 130°FDemold Time: 3.5 to 5 min

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## 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

