

BCC Resins DP-11-88

Polyurethane

BCC Products Inc.

Message:

DP-11-88 is a medium viscosity quick setting easy to use urethane adhesive. This system was specifically designed to bond together the MB2001/MB3000 Model/Tooling Board to create desired dimensions in length, width, and height. DP-11-88 offers a working life of 10 to 12 minutes in 1/4 pound mass, and 20 + minutes in a 1/16 inch film.

General Information			
Features	Bondability		
	Medium Viscosity		
Uses	Adhesives		
	Bonding		
	Modeling Material		
Appearance	Brown		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.778	g/cm ³	ASTM D792
--	0.775	g/cm ³	ASTM D1505
Specific Volume	1.27	cm ³ /g	
Gel Time	12.0 to 14.0	min	ASTM D2471
Work Life ¹ (24°C)	10.0 to 12.0	min	
Molding Shrinkage - Flow	0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	14.9	MPa	ASTM D638
Flexural Modulus	1160	MPa	ASTM D790
Flexural Strength	23.4	MPa	ASTM D790
Compressive Strength	19.1	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	62.8	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 1.0		

Part B	Mix Ratio by Weight: 1.0	
Thermoset Mix Viscosity	ASTM D2393	
-- ²	3750	cP
-- ³	4500	cP
-- ⁴	3000	cP
Demold Time ⁵ (24°C)	480 to 720	min

NOTE

- | | |
|----|-------------|
| 1. | 1/2 lb mass |
| 2. | Mixed |
| 3. | Part B |
| 4. | Part A |
| 5. | Adhesive |

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