

# Baytec® RTC-092A

Polyurethane (Polyether, MDI)

Covestro - PUR

## Message:

Baytec RTC-092A is a two-component, 100%-solid rotational casting system with a Shore hardness of 92A. The isocyanate component is a modified diphenylmethane diisocyanate (MDI) prepolymer, and the polyol component is a polyether polyol blend. Baytec RTC-092A is a fast reacting system designed to be cast on rotating roll cores using the rotational casting technique. The system is typically used on rollers for the paper, textile, and steel industries and belt rollers. It can be pigmented to almost any color. As with any product, use of the Baytec RTC-092A system in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	92		ASTM D2240
Hardness-Pusey & Jones	20.0		
Compression Deflection			ASTM D575
10%	4.10	MPa	ASTM D575
25%	6.58	MPa	ASTM D575
5%	2.65	MPa	ASTM D575
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-18 Wheel)	155	mg	ASTM D4060
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	15.2	MPa	ASTM D412
Tensile Elongation (Break)	480	%	ASTM D412
Tear Strength			
-- ¹	71.8	kN/m	ASTM D624
Cracking	23	kN/m	ASTM D1938
Thermoset	Nominal Value		
Thermoset Components			
Component a	Mixing ratio by weight: 110, mixing ratio by capacity: 1.0		
Component B	Mixing ratio by weight: 100, mixing ratio by capacity: 1.0		
Additional Information			

#### Part A

Type: Isocyanate

Appearance: Light yellow liquid

Specific Gravity @ 25°C: 1.09

Viscosity @25°C: 2500 mPa

Flash Point, PMCC: 216°C

NCO: 9.8 wt%

#### Part B

Type: Polyol

Appearance: White to amber liquid

Specific Gravity @ 25°C: 1.04

Viscosity @25°C: 1500 mPa-s

Flash Point, PMCC: 179°C

Hydroxyl Number: 130 mg KOH/g

Reactivity:

Gel Time: 15 sec

Tack Free: 1 min

#### NOTE

1. C mould

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