

Baytec® RTC V85 Component A (99\33\62\5)

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Baytec RTC-V85 Component A is a four component, 100%-solid rotational casting system, which can make urethane elastomers in a range of hardness (72 to 93 Shore A). The isocyanate component is a modified diphenylmethane diisocyanate (MDI) prepolymer, and the three polyol components are polyether polyol blends. The system is a special, fast reacting system designed to be cast on rotating roll cores using the rotational casting technique. Typical applications are on rolls for the paper, textile, and steel industries and belt rollers. This system can be pigmented to most any color. As with any product, use of the Baytec RTC-V85 Component A 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)	90		ASTM D2240
Hardness-Pusey & Jones	27.0		
Compression Deflection - 25%	4.45	MPa	ASTM D575
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles)	200	mg	ASTM D4060
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	17.1	MPa	ASTM D412
Tensile Elongation (Break)	460	%	ASTM D412
Tear Strength ¹	64.8	kN/m	ASTM D624
Thermoset	Nominal Value		
Thermoset Components			
Part C	Mixing ratio by weight: 62		
Part D	Mixing ratio by weight: 5.0		
Component a	Mixing ratio by weight: 99		
Component B	Mixing ratio by weight: 33		
Additional Information			

Part A

Type: Isocyanate

Appearance: Yellowish liquid

Specific Gravity @ 25°C: 1.09

Viscosity @25°C: 2000 to 3000 mPa

Flash Point, PMCC: 216°C

NCO: 9.65 to 10.24 wt%

Part B

Type: Polyol

Appearance: White liquid

Specific Gravity @ 25°C: 1.03

Viscosity @25°C: 1500 mPa-s

Flash Point, PMCC: 165°C

Hydroxyl Number: 68 mg KOH/g

Part C

Type: Polyol

Appearance: White liquid

Specific Gravity @ 25°C: 1.04

Viscosity @25°C: 2200 mPa-s

Flash Point, PMCC: 165°C

Hydroxyl Number: 148 mg KOH/g

Part D

Type: Polyol

Appearance: White liquid

Specific Gravity @ 25°C: 1.03

Viscosity @25°C: 1300 mPa-s

Flash Point, PMCC: 177°C

Hydroxyl Number: 177 mg KOH/g

NOTE

1. C mould

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