

# Bayflex® 906 (34 pcf)

Polyurethane (MDI)

Covestro - PUR

## Message:

Bayflex 906 is a fully compounded, water-blown, polyether-based polyurethane system consisting of two liquid components. Component A is a modified diphenylmethane diisocyanate (MDI) prepolymer, and Component B is a polyether polyol system. Bayflex 906 system was developed for use in a wide variety of applications requiring a microcellular core and a tough, abrasion-resistant outer surface. Examples of possible applications include appliance handles, office chair armrests, and dunnage strips. As with any product, use of the Bayflex 906 system in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

General Information			
Uses	Foam		
Forms	Liquid		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shaw A, 12.7mm)	75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break, 12.7 mm)	5.65	MPa	ASTM D412
Tensile Elongation (Break, 12.7 mm)	200	%	ASTM D412
Tear Strength <sup>1</sup> (12.7 mm)	27.5	kN/m	ASTM D624
Thermoset	Nominal Value		
Thermoset Components <sup>2</sup>			
Component a	Mixing ratio by weight: 73		
Component B	Mixing ratio by weight: 100		
Additional Information			
Part A			
Type: Isocyanate			
Specific Gravity @ 25°C: 1.21			
Viscosity @25°C: 800 mPa			
Flash Point, PMCC: 213°C			
NCO: 22.6 to 23.1 wt%			
Part B			
Type: Polyol			
Specific Gravity @ 25°C: 1.02			
Viscosity @25°C: 1100 mPa-s			
Flash Point, PMCC: 121°C			
Water: 0.60 wt% max			
Hydroxyl Number: 194: mg KOH/g			
Material Temperatures: 25 to 40°C Mold Temperature: 55 to 65°C Demold Time, 0.25 in thickness: 3.5 min Linear Shrinkage at 0.50 g/cm³: <0.5% Hand Mix			
Reactivity at 23°C			
Cream Time: 50 sec			
Tack-Free Time: 60 sec			
Pull Time: 90 sec			
Free-Rise Density: 11 to 16 lb/ft³			
NOTE			
1.	C mould		
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