

Baytec® WE-180

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Baytec WE-180 is a dicyclohexylmethane diisocyanate (HMDI)-terminated polyether prepolymer based on polytetramethylene ether glycol (PTMEG). It is used in the formulation of two-component elastomer and binder systems. Polyurethanes from Baytec WE-180 prepolymer can be made optically clear, light-stable, and weather-resistant. They can range from rigid to flexible depending on the coreactant used. Typical uses include soft, energy-absorbing elastomers laminates for safety glasses, binders for dialysis filters and window gaskets. The material's low viscosity allows for easy production of complex parts with good surface definition. As with any product, use of the Baytec WE-180 prepolymer in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Forms	Liquid		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore D)	72	ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	21.4	MPa	ASTM D412
Tensile Elongation (Break)	100	%	ASTM D412
Tear Strength ¹	121	kN/m	ASTM D624
Bayshore Resilience	58	%	ASTM D2632
Additional Information			
Appearance: Colorless to pale yellow liquidSpecific Gravity @ 25°C: 1.055Viscosity @25°C: 800 to 900 mPaFlash Point, PMCC: >255°CNCO: 18.3 to 18.9 wt%			
NOTE			

1. C mould

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