

Converge® Polyol HMA-1

Polycarbonate
Novomer, Inc.

Message:

Converge HMA-1 is a 1000 molecular weight blend optimized for viscosity and hydroxyl number. Carbon dioxide accounts for approximately 30% of the polyol mass.

Applications:

Converge HMA-1 is an opti mized blend primarily for use in Hot Melt Adhesive formulations. It may also have benefits in coatings, elastomers, and other applications where low viscosity and flowability are important.

Features:

The aliphatic polycarbonate backbone delivers unique high performance to polyurethanes in terms of both strength and environmental resistance. In adhesive applications, it provides improved adhesive & cohesive strength and hydrolytic stability when used with many substrates including wood, aluminum, polycarbonate, and PVC. In coatings, it delivers UV resistance and high hardness. Converge HMA-1 can also improve abrasion resistance.

General Information			
Features	Good Adhesion		
	Good Flexibility		
	Good UV Resistance		
	High Hardness		
	Hydrolytically Stable		
	Low Viscosity		
Uses	Adhesives		
	Coating Applications		
	Foam		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Acid Number	< 0.50	Mg KOH/g	
Molecular Weight	1000	g/mol	
Viscosity (75°C)	1.50	Pa · s	
Water Content	< 500	ppm	
Functionality	2.00		
OH Value	106	Mg KOH/g	
Polydispersity	1.10		

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