

Converge® Polyol 212-10

Polycarbonate

Novomer, Inc.

Message:

Converge polyol 212-10 is a 1000 molecular weight polymer produced from propylene oxide and carbon dioxide. It is an amorphous, linear, aliphatic polycarbonate diol. Carbon dioxide accounts for approximately 40% of the polyol mass.

Applications:

Converge polyol 212-10 is a solvent-free, high viscosity building block for a variety of polyurethane systems. It can be used in the preparation of adhesives, foams, coatings, elastomers and TPUs.

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. In coatings, it delivers UV resistance and high hardness. It substantially increases the load bearing, tensile, and tear strength of flexible foams. Converge polyol 212 -10 can also improve abrasion resistance.

General Information	
Features	Amorphous
	Good Adhesion
	Good UV Resistance
	High Hardness
	High Viscosity
	Hydrolytically Stable
Uses	Adhesives
	Coating Applications
	Foam
Appearance	Amber
	Clear/Transparent
	Yellow

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)	100	Pa · s	
Water Content	< 1000	ppm	
Functionality	2.00		
OH Value	< 112	Mg KOH/g	
Polydispersity	1.10		

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