Converge® Polyol 212-20

Polycarbonate

Novomer, Inc.

Message:

Converge polyol 212-20 is a 2000 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 212-20 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 hydrolyti c stability. In coatings, it delivers UV resistance and high hardness. It substantially increases the load bearing, tensile, and tear strength of fl exible foams. It 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/cm³	ISO 1183
Acid Number	< 0.50	Mg KOH/g	
Molecular Weight	2000	g/mol	
Viscosity (75°C)	100	Pa·s	
Water Content	< 1000	ppm	
Functionality	2.00		
OH Value	56.0	Mg KOH/g	
Polydispersity	1.10		

Recommended distributors for this material

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