

Converge® Polyol 212-20 in DBE

Polycarbonate
Novomer, Inc.

Message:

Converge polyol 212-20 In DBE Solution is a 2000 molecular weight polymer produced from propylene oxide and carbon dioxide blended with dibasic ester. Converge polyol 212-20 is an amorphous, linear, aliphatic polycarbonate diol. Carbon dioxide accounts for approximately 40% of the polyol mass.

Applications:

Converge polyol 212-20 in DBE is a viscosity optimized blend 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 212-20 can also improve abrasion resistance.

General Information			
Features	Aliphatic		
	Good Adhesion		
	Good Flexibility		
	Good UV Resistance		
	High Hardness		
	Hydrolytically Stable		
Uses	Adhesives		
	Coating Applications		
	Foam		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.20	g/cm ³	ISO 1183
Acid Number ²	< 0.50	Mg KOH/g	
Molecular Weight ³	2000	g/mol	
Viscosity ⁴ (75°C)	3.20	Pa · s	
Water Content ⁵	< 500	ppm	
Functionality ⁶	2.00		
OH Value ⁷	35.0	Mg KOH/g	
Polydispersity ⁸	1.10		
Polymer Content - Polyol in DBE	65.0	wt%	
NOTE			
1.	in DBE solution		
2.	in DBE solution		
3.	in DBE solution		
4.	in DBE solution		
5.	in DBE solution		
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7.	in DBE solution
8.	in DBE solution

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China

