



## DEGDB:DPGDB 80:20

## Technical Datasheet

**Product Information:** DEGDB:DPGDB 80:20 is a multipurpose plasticizer blend containing both Dipropylene Glycol Dibenzoate and Diethylene Glycol Dibenzoate. It is both non-phthalate and biodegradable with proven utility across most adhesive and flexible PVC dry blend application. It is a high solvating Dibenzoate plasticizer.

Chemical Name	DIETHYLENE GLYCOL DIBENZOATE : DIPROPYLENE GLYCOL DIBENZOATE - 80:20		
Grade Name	DEGDB:DPGDB 80:20		
CAS No.	27138-31-4 & 120-55-8		
EINECS No.	248-258-5 & 204-407-6		
Molecular Formula	-		
Synonyms			
<b>TEST</b>	<b>SPECIFICATION</b>		<b>METHOD</b>
Appearance	Transparent oily liquid		Visual
Purity	> 99.0 %		By GC (as benzoate ester)
Boiling Range (5mmHg ?)	235 - 238 °C		Boiling point apparatus
Moisture Content	<0.1%		KF Titration
Acid Value	< 0.1%		By Titration as benzoic acid
Hydroxyl No.	< 13 mg KOH/g Max.		By Titration
Colour	< 80 (APHA)		Visual
Solubility at 25 °C	Solvent	Solubility ( gm/100ml )	Visual
	Water	< 0.42 %	

### Product Applications:

1. DEGDB:DPGDB 80:20 is used for a wide variety of applications, including latex adhesives, caulks, PS sealants, polyvinyl chloride, resilient flooring, paints and coatings (as coalescents), etc.
2. It has been widely used in adhesive industry.

### Product Benefits:

1. It is an environmentally friendly plasticizers recommended by the European Chemical Agency. It does not contain any phthalates and can be used as primary plasticizers. Data from more than 30 years applications and tests show Dibenzoate esters are low in toxicity, non-mutagenic, non-carcinogenic and easy to degrade.
2. It has high solvating and lower fusing point which means faster processing speed. Very good foaming effect in PVC foaming process.
3. It is compatible with EVA emulsions, polysulfur rubbers and PVC. A good combination of cost and performance in waterborne adhesives industry, polysulfur sealants industry and PVC resilient flooring industry.

**Product Dosage:** We strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Exact loading must be determined by compositions of the specific polymer systems.



Polymer Details	Suggested dosage
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**Product Handling & safety:**

Please refer to our product MSDS for specific instructions on handling this product.

**Product Registration:**DEGDB:DPGDB 80:20 is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services.

Subchapter: B - Food For Human Consumption.

Part: 178 - Indirect Food Additives: Adhesives and Components Of Coatings

Subpart: B - Substances for Use Only As Components Of Adhesives

Section: 175.105 Adhesives.

**Product Registration:**It is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services.

Subchapter: B - Food For Human Consumption (Continued)

Part: 178 - Indirect Food Additives: Paper And Paperboard Components

Subpart: B - Substances For Use Only As Components Of Paper And Paperboard

Section: 176.170 Components Of Paper And Paperboard In Contact With Aqueous And Fatty Foods.

**Product Registration:**POLYMER ADD-DEGDB:DPGDB 80:20 is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services.

Subchapter: B - Food For Human Consumption (Continued)

Part: 178 - Indirect Food Additives: Paper And Paperboard Components

Subpart: B - Substances For Use Only As Components Of Paper And Paperboard

Section: 176.180 Components Of Paper And Paperboard In Contact With Dry Food.

**Product Disclaimer**

**Important :** This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seler be liable for incidental, consequential or indirect damages for alleges negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended.