

Combined effects for advanced polymer materials

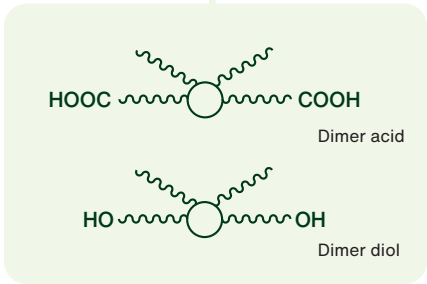


CargillTM

Pripol™ Dimer Acids and Diols

Features include:

- 100% bio-based*
 - Flexibility
 - Flowability & good wetting
 - Low modulus
 - Low shrinkage
 - Hydrophobicity
- Hydrolysis resistance and chemical resistance
 - Good adhesion to a wide range of substrates, including low-polarity plastics
 - Low dielectric constant
 - Thermo-oxidative stability
 - Water repellency



Product	Chemical description (dimer content %)	Effects/ benefits	Dynamic viscosity mPa.s at 25 °C	Acid value (mg KOH/g)	Bio-based content* (%)	Suggested use
Dimer fatty acids						
Pripol™ 1017	Dimer acid (78%)	Standard dimer for general purpose	8000	194	100	Dicarboxylic acids for use as monomers in polyamides, polyesters and epoxy modifications
Pripol™ 1022 VEG**	Dimer acid (77%)	Low viscous standard dimer	5800	194	100	
Pripol™ 1025	Hydrogenated dimer acid (78%)	Standard dimer with good color	8900	194	100	
Pripol™ 1012	Distilled dimer acid (98%)	Higher purity dimer for higher MW polymers	6400	196	100	
Pripol™ 1013	Distilled dimer acid (97%)	High purity dimer content	7100	196	100	
Pripol™ 1006	Hydrogenated, distilled dimer acid (97%)	High purity, good and stable color	7750	196	100	
Pripol™ 1009	Hydrogenated, distilled dimer acid (99%)	Very high purity, excellent and stable color	7500	196	100	
Pripol™ 1010 VEG**	Hydrogenated, distilled dimer acid (97%)	Excellent and stable color with lower viscosity	5000	196	100	
Trimer fatty acid						
Pripol™ 1040	Trimer acid (78%)	High functional acid		188	100	Polyamide (epoxy hardener)

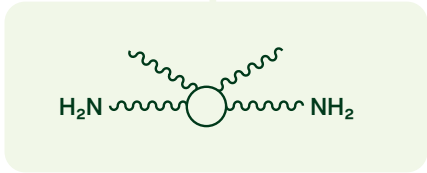
Product	Chemical description (dimer content %)	Effects/ benefits	Dynamic viscosity (mPa.s)		OH value (mg KOH/g)	Bio-based content* (%)	Suggested use
			at 25 °C	at 40 °C			
Dimer diols							
Pripol™ 2043	Hydrogenated dimer diol (81%)	Higher functional dimer diol	3000	1000	207	100	2K PU coatings/ adhesives, polyester polyol, UV oligomers, PUD
Pripol™ 2033	Hydrogenated, distilled dimer diol (98%)	High purity dimer diol	2500	740	207	100	
Pripol™ 2030	Distillated, hydrogenated dimer diol (96%)	High UV stable dimer diol	2500	740	207	100	

**Vegetable based dimer acids traditionally made from animal sources, now converted to vegetable sources, like all other dimer acids.
*Bio-based content calculated according to ASTM D6866

Priamine™ Dimer Diamines

Features include:

- 100% bio-based*
 - Low viscosity at room temperature
 - Flexibility even at low temperature
 - Chemical resistance
- Good adhesion to multiple substrates including plastics
 - Low dielectric constants



Product	Chemical description (diamine content %)	Dynamic viscosity mPa.s at 25 °C	Effects/benefits	Total amine value (mg KOH/g)	AHEW (g/eq)	Bio-based content* (%)	Suggested use
Priamine™ 1071	Dimer diamine (75%)	250	Reduce brittleness, increase impact resistance	200	140	100	Curing agent for epoxy formulations
Priamine™ 1073	Dimer diamine (92%)	250	Good adhesion to substrates, reduce brittleness	200	139	100	Hardener for polyurea formulations
Priamine™ 1074	Dimer diamine (98%)	250	High flexibility and adhesion to plastics	204	138	100	Polyamide hotmelt
Priamine™ 1075	Dimer diamine (99%)	250	High purity diamine, high flexibility, color stability, low dielectric constant, improve flexibility in high Mw polymers	205	135	100	Polyimide (adhesives & films), polyamide (engineering polymer)

*Bio-based content calculated according to ASTM D6866.

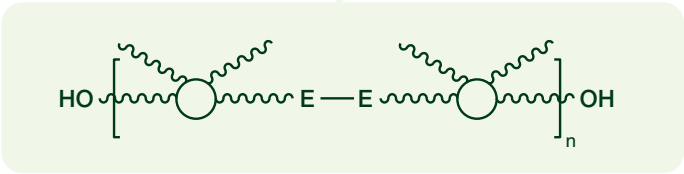
Success case in semiconductor industry

Priamine™ 1075 high-purity diamine has demonstrated proven success in Asia’s semiconductor sector thanks to its unique low dielectric performance and 100% bio-based content.

Priplast™ Dimer Based Polyester Polyols

Our Priplast™ grades offer a variety of benefits and deliver distinct effects for desired performance.

- Low polarity substrates
- Thermo-oxidative and hydrolytic resistance
- Moisture barrier
- Flexibility

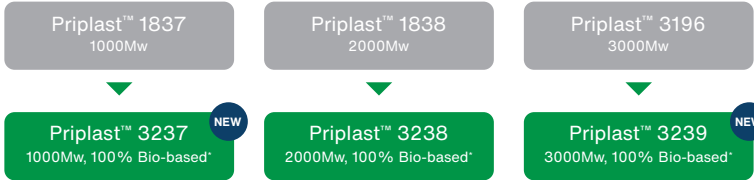


Our diverse product portfolio includes both amorphous and semi-crystalline formats, with molecular weights ranging from 1000 to 3000.

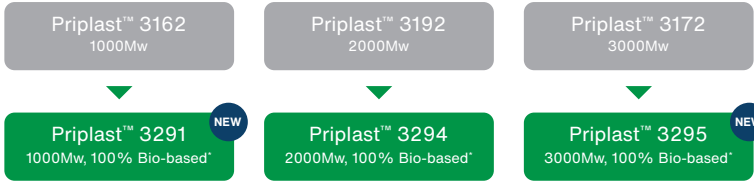
Based on your formulation and bio-based content requirements, we usually recommend starting with grades that have a molecular weight of 2000.

Find the ideal grade to suit your specific requirements and choose between our 100% bio-based* options or our alternatives.

Amorphous (liquid)



Semi-crystalline (waxy)



Amorphous (liquid)

Product	Mw	Color	Functionality	Effects/ benefits	OH value (mg KOH/g)	Dynamic viscosity (mPa.s)			Bio- based content* (%)	Suggested use
						at 25 °C	at 40 °C	at 60 °C		
Polyester polyols										
Priplast™ 1837	1000	Dark	2	Low viscous polyol, versatile	110	3440	1170	-	92	2K polyurethane coatings/adhesives, moisture cure (PU hotmelt), polyurethane dispersion, UV oligomers
Priplast™ 3237 [†]	1000	Light	2	Low viscous, Mw 1000 version of Priplast™ 3238	110	6750	2300	-	100	
Priplast™ F4	1000	Light	4	High functional polyol for high crosslinking density	220	28000	12000	-	59	2K polyurethane coatings/adhesives, moisture cure (PU hotmelt), UV oligomers
Priplast™ 3186	1700	Dark	2.2	High functional polyol for high crosslinking density	71	11000	3740	-	86	Foam, PU sealant
Priplast™ 1838	2000	Light	2	Standard liquid for general purpose	56	14000	4300	-	82	2K polyurethane coatings/adhesives, moisture cure (PU hotmelt), polyurethane dispersion, UV oligomers
Priplast™ 3238	2000	Light	2	100 % bio-based* version of Priplast™ 1838	56	12000	4170	-	100	
Priplast™ 3190	2000	Light	2	Good compatibility with different types of polyols	56	25000	8500	-	41	
Priplast™ 1900	2000	Dark	2	High elongation	56	14500	4800	-	48	
Priplast™ 3199	2000	Light	2	High purity polyol	56	16000	4900	-	87	Block copolyester and polyamides and soft segment for various high Mw polymers
Priplast™ 3197	2000	Light	2	Extremely low polarity polyol	56	22000	7000	-	100	Electronic materials requiring excellent water resistance and aging performance
Priplast™ 3187	2000	Dark	2	Standard liquid polyol for less color sensitive applications	56	20000	6000	-	84	PU sealant
Priplast™ 3196	3000	Light	2	Higher Mw version of Priplast™ 1838	37	36500	12000	-	83	2K polyurethane coatings/adhesives, moisture cure (PU hotmelt), polyurethane dispersion, UV oligomers
Priplast™ 3239 [†]	3000	Light	2	100 % bio-based* version of Priplast™ 3196	37	77000	25000	-	100	

Semi-crystalline (waxy)

Product	Mw	Color	Functionality	Effects/benefits	OH value (mg KOH/g)	Dynamic viscosity (mPa.s)			Bio- based content* (%)	Suggested use
						at 25 °C	at 40 °C	at 60 °C		
Polyester polyols										
Priplast™ 3162	1000	Light	2	Lower Mw version of Priplast™ 3192	110	solid	solid	310	36	Moisture cure (PU hotmelt), polyurethane dispersion
Priplast™ 3291†	1000	Light	2	100% bio-based* version of Priplast™ 3162	110	solid	1260	470	100	
Priplast™ 3192	2000	Light	2	Standard semi-crystalline polyol	56	solid	solid	1300	39	
Priplast™ 3294	2000	Light	2	100% bio-based* version of Priplast™ 3192	56	solid	4000	470	100	
Priplast™ XL 101	2000	Light	2	High strength balanced with high flexibility and elongation	56	solid	1900	1000	18	
Priplast™ 3172	3000	Light	2	Higher Mw version of Priplast™ 3192	37	solid	solid	2470	39	
Priplast™ 3295†	3000	Light	2	100% bio-based* version of Priplast™ 3172	37	solid	19000	6200	100	

†These products have just been released. We can provide samples with DEV codes for your evaluation.
Priplast™ 3237 (DEV2258), Priplast™ 3239 (DEV2259), Priplast™ 3291 (DEV2256), and Priplast™ 3295 (DEV2257).

NEW PriNext™

Isocyanate Alternative Developmental Technology

PriNext™ technology supports the next generation of high-performance 2K systems by providing an alternative to isocyanates, helping customers meet regulatory expectations without compromise.

- Innovative technology
- Isocyanate alternative
- No EU REACH training needed*
- Engineered to meet PU performance



Bye-bye
isocyanate!

Adhesives and coatings suggested applications



Electronics



Automotive



Marine & Industrial



Flooring

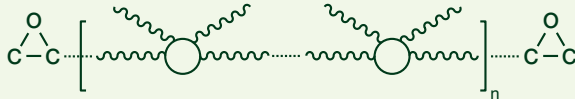
Product	Functionality	Mol weight (g/mol)	Active hydrogens	Dynamic viscosity (mPa.s)	
				at 25 °C	at 40 °C
PriNext™ 2F1	2	1250	4	8900	4000
PriNext™ 4F1	4	1425	8	7400	3300
PriNext™ 6F1	6	1550	12	38000	13500
PriNext™ 6F2	6	1200	12	16500	7500

*According to REACH Annex XVII, entry 74, that mandates training for workers handling diisocyanates to reduce the risk of respiratory and dermal sensitization.

B-Tough™ Epoxy Toughening Agents

With our B-Tough™ grades, you get a spectrum of benefits along with unique effects for outstanding performance. Explore the perfect grade for your needs. Reactive toughening agent for liquid and solid epoxy resins:

- Excellent impact strength
- Combination of flexibility and hardness
- Enhanced adhesion strength onto versatile substrates

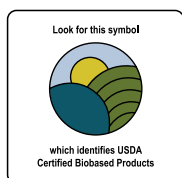


Product	Chemical description	Dynamic viscosity mPa.s	Effects/benefits	EEW (g/eq)	Bio-based content* (%)	Suggested use
Toughening agents						
B-Tough™ C2r	Epoxy functional toughening agent low VOC	14000 at 25 °C	100% reactive, low viscosity, good chemical resistance	320	21	Epoxy coatings
B-Tough™ A1	Epoxy functional toughening additive	4000 at 75 °C	For liquid epoxy resin formulations (lowest polarity grade), low moisture diffusion	380	29	Epoxy adhesives and composites
B-Tough™ A2	Epoxy functional toughening additive	4000 at 75 °C	For liquid/solid epoxy resin formulations (low polarity grade), low moisture diffusion	380	18	
B-Tough™ A3	Epoxy functional toughening additive	4000 at 75 °C	For solid epoxy resin formulations (medium polarity grade), low moisture diffusion	380	15	

Other Technologies

Product	Chemical description	Effects/benefits	Acid value (mg KOH/g)	Bio-based content* (%)	Suggested use
Azelaic and isostearic acid					
Priacid™ A95	Azelaic acid (95%)	High purity for enhanced mechanical properties, elongation and strength. Provides moisture protection, good hydrolytic stability and light color, reduced water uptake, 100% bio-based*	585	100	Polyamide, polyester polyol, polyester
Prisorine™ 3501	Isostearic acid	Excellent color and thermo-oxidative stability for automotive and industrial coatings	188	100	Short oil alkyds, reactive polyamides, epoxy modification

*Bio-based content calculated according to ASTM D6866



Certification

Select products from our product range come with ISCC PLUS and USDA BioPreferred certification, detailed information available upon request.

Product Statements

Food contact: Our portfolio contains products that are listed in Commission Regulation (EU), FDA (US) and in Swiss Ordinance for coatings and adhesives applications. Food contact statements are available upon request with specific details, including conditions of use and restrictions.

Product carbon footprint: Information available upon request.



Scan the QR code
for more information

Learn more at cargill.com/coatings
or email polymer_materials@cargill.com



This document is provided for your information and convenience only. All information, statements, recommendations and suggestions are believed to be true and accurate but are made without guarantee, express or implied. WE DISCLAIM. TO THE FULLEST EXTENT PERMITTED BY LAW, ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE and FREEDOM FROM INFRINGEMENT and disclaim all liability in connection with the storage, handling or use of our products or information, statements, recommendations and suggestions made by Cargill. All such risks are assumed by you/user. The labeling, substantiation and decision making relating to the regulatory approval status of, the labeling on and claims for your products is your responsibility. We recommend you consult regulatory and legal advisors familiar with applicable laws. Rules and regulations prior to making regulatory, labeling or claims decisions for your products. The information, statements, recommendations and suggestions contained herein are subject to change without notice. Tests conducted by Cargill labs unless otherwise noted.

©2026 Cargill, Incorporated. All rights reserved.

CP_APM_Overview Brochure_Combined Effects_A4 EN 8pp 042926