



# Performance Urethanes

## Typical Polycaprolactone and Polycarbonate Diol Properties\*\*

Arch Chemicals, Inc. is introducing a line of *Poly-T*<sup>®</sup> Polycaprolactones and *Poly-CD*<sup>®</sup> Carbonate Diols to compliment our existing *Poly-G*<sup>®</sup>, *Poly-L*<sup>®</sup>, *Poly-Q*<sup>®</sup>, and *Poly-A*<sup>®</sup> polyether diols, triols, tetrols, cross linkers, and chain extenders for use in flexible, rigid and non-foam urethane applications. The chart below describes the current list of *Poly-T*<sup>®</sup> and *Poly CD*<sup>®</sup> polyol products available from Arch. The physical properties given below are typical and should not be taken as specifications.

*Poly-T*<sup>®</sup> polyols are polyester polyols that exhibit excellent chemical, physical, hydrolytic stability and U.V. resistance properties.

*Poly-CD*<sup>®</sup> carbonate diols are known for their excellent water resistance and heat resistance properties. They also have superior weather and heat resistance properties compared to PTMEG.

Poly-T <sup>®</sup> Polyols	Initiator	Molecular Weight Avg.	OH Number Avg. (mg KOH/g)	Acid Number Max. (mg KOH/g)	%Water Max.	Melting Range Celsius	Color Max (APHA)	Viscosity @ 75° C (cp)
<b>Diols</b>								
205	DEG	530	207 - 217	1.0	0.05	30 – 40	100	30 - 50
205U	DEG	530	207 - 217	0.5	0.05	< 25	50	Ca. 400 @ 25
208	EG	830	130 - 140	1.0	0.05	35 - 45	150	90 – 110
210N	EG	1000	107 - 117	1.0	0.05	32 - 37	100	70 - 110
212	EG	1250	86 - 94	1.0	0.05	40 - 52	150	150 - 190
210CP	NPG	1000	107 - 117	0.5	0.05	30 – 40	50	150 – 190 @ 60
220	EG	2000	53 - 59	1.0	0.05	45 – 55	150	350 - 400
220CPB	NPG	2000	53 - 59	0.5	0.05	40 – 50	100	200 - 300
220N	EG	2000	53 - 59	1.0	0.05	48 – 51	100	210 - 270
220UA	DEG	2000	53 - 59	1.0	0.03	45 – 55	150	200 - 300
230	EG	3000	36 - 39	1.0	0.05	55 – 58	150	770 - 870
<b>Triols</b>								
303	TMP	300	530 - 550	1.5	0.05	< 25	150	Ca. 1800 @ 25
305	TMP	550	300 - 310	1.0	0.05	< 20	150	Ca. 1250 @ 25
309	TMP	900	182 - 192	1.0	0.05	< 40	100	Ca. 1450 @ 25
<b>Acrylic</b>								
FA2D	HEA	344	150 - 170	5	0.05	< 10	80	60 - 100 @ 25
<b>Poly-CD<sup>®</sup></b>								
<b>Carbonate Diol</b>								
CD220		2000	51 - 56	1.0	0.1	53 – 55	200	4000 - 6000 @ 60

\*\*Not to be construed as product specification

**For More Information  
Technical Service**

Technical Service is available to facilitate further use of Arch urethane chemicals. If you have a specific question or need further information, please write or call Urethane Technical Service, Arch Chemicals Plant, P.O. Box 547, 2450 Highway 933, Brandenburg, KY 40108-0547, (800) 370-9674.

**How to Order**

To place an order for delivery in the U.S. or Canada and to get fast answers on order status or product availabilities, call our toll free number: (800) 636-3786.

After your first order, you will be assigned your own personal Arch Customer Service Representative. When you call back, simply ask for your Customer Service Representative by name.

**Written inquires may be sent to:**

Arch Chemicals, Inc.  
501 Merritt 7  
Norwalk, CT 06851  
Attention: Sales Director Performance Urethanes

Please refer to the Material Safety Data Sheet (MSDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an MSDS, call the Arch sales office listed below or the MSDS Control Group at (800) 511-MSDS. Before using or handling this product, the MSDS should be thoroughly reviewed.

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