

Puranol® Polyether Polyols

We offer an outstanding range of Puranol Polyols that can be used in many manufacturing applications. Such as flexible foam for furniture, mattress and automobile industries and rigid foam for construction and consumer appliance industries.

In addition to Polyols for CASE applications (Coatings, Adhesives, Sealants and Elastomers). We offer an extensive range of Puranol Polymeric Polyols (PP's) with a variety of solid content.

Puranol® F&PP Series for Flexible Foam

Conventional Polyols for Flexible Slabstock Foam

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol F 3031K	50	54-58	0.08	0.05	5.0-7.0	400-600	/
Puranol F 3050D	50	54-58	0.05	0.05	5.0-7.0	400-700	/
Puranol F 330	50	54-58	0.05	0.05	5.0-7.0	400-600	/
Puranol F 3500	50	46-50	0.05	0.05	5.0-7.0	500-750	/

Main base materials for manufacturing flexible foam blocks which are used in applications such as mattresses, automobile seats, interior parts, sound deadening and upholstered furniture.

High Reactivity Polyols for High Resilience Foam

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol F 330N	100	33-37	0.05	0.05	5.0-7.0	750-950	≤5
Puranol F 3600	100	26-30	0.05	0.05	5.0-7.0	900-1500	≤5
Puranol F 6028	50	28-31	0.05	0.05	5.0-7.0	1400-1600	≤8
Puranol F 15088	50	31-37	0.05	0.05	5.0-8.0	1200-1500	≤8

High Reactivity Polyols for Viscoelastic Foam

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol F 3521	50	40-44	0.05	0.05	5.0-7.0	800-1200	≤8
Puranol F 3521M	50	40-44	0.05	0.05	5.0-7.0	800-1200	≤8
Puranol F 3500M	100	31-37	0.08	0.08	5.0-7.5	1050-1400	≤8
Puranol P 156M	50	33-37	0.05	0.08	5.0-8.0	900-1500	≤5
Puranol VE 7321	50	230-250	0.05	0.08	5.0-7.0	/	≤5
Puranol F 3314	50	100-120	0.05	0.05	5.0-7.0	/	≤5
Puranol C 1510	50	/	0.05	0.05	5.0-7.0	6000-10000	/

These polyols are used for moulding processes for applications in automobiles seats, trains, aeroplanes and for moulding PU steering wheels and dashboards.

Puranol PP Series for Polymeric Polyols

Product Name	Appearance	Hydroxyl No. mg KOH/g	Water %	Viscosity mPa.s/25°C	Solid Content %	Acid Value mg KOH/g
Puranol PP 3010	White	41-49	0.08	700-1200	9-11	/
Puranol PP 3013	White	40-46	0.08	700-1300	12-14	/
Puranol PP 3015	White	38-44	0.08	700-1500	14-16	/
Puranol PP 3025	White	36-40	0.08	900-1800	24-26	/
Puranol PP 3630	White	23-28	0.08	2000-4000	28-30	0.15
Puranol PP 3645	White	18-23	0.08	5000-7500	≥ 40	0.15
Puranol L 2045B	White	25-30	0.08	3000-5000	≥ 45	0.08
Puranol HP 505	White	21-25	0.08	5000-7000	49-51	/
Puranol PP 3045	White	25-30	0.08	3000-5000	≥ 41	0.15

Polymeric Polyols with varying amounts of Styrene-Acrylonitrile (SAN) solids to enhance the PU foam load bearing capacity.

Puranol® Series for CASE Applications and Composite Material

BPA Based

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol BP 700	50	155-170	0.05	0.5	5.0-7.0	1000-1500	≤8

Diol Based

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol D 204	50	270-290	0.05	0.08	5.0-7.0	/	≤8
Puranol D 204E	50	270-290	0.05	0.08	5.0-7.0	/	≤8
Puranol D 210	50	107-117	0.05	0.05	5.0-7.0	100-200	/
Puranol D 220	50	54-58	0.05	0.05	5.0-7.0	200-400	/
Puranol D 230	50	33-39	0.05	0.05	5.0-7.0	300-700	/
Puranol D 240	50	26.5-29	0.05	0.05	5.5-7.0	800-1000	/
Puranol D 280	100	12.5-15.5	0.10	0.10	5.0-7.0	/	/
Puranol D 2120	50	8.5-10.5	0.05	0.05	5.0-7.0	6000-8000	/

Triol Based

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol G 303	50	541-581	0.08	0.08	5.0-7.0	/	≤8
Puranol G 303E	50	541-581	0.08	0.08	5.0-7.0	/	/
Puranol G 305	50	320-340	0.10	0.08	5.0-7.0	300-600	≤8
Puranol G 307	50	230-250	0.05	0.08	5.0-7.0	/	≤8
Puranol G 303F	50	455-495	0.05	0.08	5.0-7.0	/	≤8
Puranol G 304F	50	360-380	0.05	0.08	5.0-7.0	/	≤8
Puranol G 306F	50	250-270	0.05	0.08	5.0-7.0	200-400	≤5
Puranol G 310	50	158-178	0.05	0.08	5.0-7.0	/	≤8
Puranol F 330	50	54-58	0.05	0.05	5.0-7.0	400-600	/
Puranol G 5030	50	31-35	0.05	0.10	5.0-7.0	800-1000	/

Pentaerythritol Based

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol PN100	100	380-420	0.15	0.10	5.0-7.0	1500-2300	0.30
Puranol PN560	100	535-585	0.15	0.15	/	1800-2800	0.30

Puranol® Series for CASE Applications and Composite Material

TMP Based

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol TMP 550	50	530-550	0.05	0.50	4.0-7.0	/	0-30
Puranol TMP 850	50	830-870	0.05	0.5	5.0-7.0	/	≤100

Shoe Sole

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol F 3020	50	54-58	0.05	0.05	5.0-7.0	400-600	/
Puranol D 4021	100	26-30	0.05	0.05	5.0-7.0	700-1000	≤3

Water Based Injection Grouting Material

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Acid Value mg KOH/g	pH	Viscosity mPa.s/25°C	K ⁺ /Na ⁺ ppm
Puranol F 8040	50	15-18	0.05	0.08	5.0-8.0	/	≤15
Puranol 1623	50	33-37	0.05	0.08	5.0-8.0	900-1500	≤8

Polyols used in non cellular polyurethane applications such as coatings, adhesives, sealants, elastomers and composite materials.

Puranol® RF Series for Rigid Foam

Sucrose Based

Product Name	Colority GD	Hydroxyl No. mg KOH/g	Water %	Viscosity mPa.s/25°C
Puranol RF 350G	8	340-360	0.15	700-1500
Puranol RF 4110	8	430-470	0.15	2900-4500
Puranol RF 4110A	8	430-470	0.15	2900-4500
Puranol RF 4110K	8	430-470	0.15	3000-5000
Puranol RF 4111K	6	410-450	0.15	4250-6250
Puranol RF 4111M	6	400-450	0.15	3800-5800
Puranol RF 4113	8	430-470	0.15	2500-4500
Puranol RF 4113G	10	460-500	0.15	4500-6500
Puranol RF 4190	10	475-510	0.15	5000-6600
Puranol RF 450L	5	440-460	0.15	6000-10000
Puranol RF 8238A	10	360-400	0.15	9500-12500
Puranol RF 8310	10	290-330	0.15	1100-1700
Puranol RF 8360	6	340-380	0.10	2500-3500
Puranol RF 8390	8	380-420	0.15	2000-2800
Puranol RF 8490	10	440-490	0.15	6000-10000
Puranol RF 8638	8	360-400	0.15	6000-8000
Puranol RF 8180	10	550-590	0.15	> 100000

Sorbitol Based

Product Name	Colority GD	Hydroxyl No. mg KOH/g	Water %	Viscosity mPa.s/25°C
Puranol RF 635	6	480-520	0.15	4000-6500
Puranol RF 8038	6	360-400	0.15	2000-3000
Puranol RF 6480	6	460-500	0.15	15000-20000
Puranol RF 6482	6	460-500	0.20	25000-33000
Puranol RF 6499	6	480-520	0.20	7500-10500
Puranol RF 8043	6	400-450	0.15	3000-5000
Puranol RF 8046	6	440-480	0.15	11500-16500
Puranol RF 4616	8	380-420	0.15	4500-6500
Puranol RF 4618	8	380-420	0.15	4500-6500

Amine Based

Product Name	Colority APHA	Hydroxyl No. mg KOH/g	Water %	Viscosity mPa.s/25°C	Initiator
Puranol RF TD385	/	380-420	0.15	7000-12000	TDA
Puranol RF TD385L	/	390-420	0.15	7000-12000	TDA
Puranol RF TD340M	New product, used for insulation system				TDA
Puranol RF TD390M	New product, used for insulation system				TDA
Puranol RF ED405	150	430-470	0.10	2500-5500	EDA
Puranol RF ED408	150	480-520	0.10	5700-7900	EDA
Puranol RF ED640	100	620-660	0.10	18000-20000	EDA
Puranol RF ED750	50	735-815	0.20	25000-60000	EDA
Puranol RF DJ04	8	400-500	0.15	300-400	TEA

Mannich Based

Product Name	Colority GD	Hydroxyl No. mg KOH/g	Water %	Viscosity mPa.s/25°C
Puranol RF 3776	/	310-350	0.15	1600-3400
Puranol RF 3778	/	510-550	0.15	25000-35000
Puranol RF 3775M	/	400-430	0.15	4000-6000
Puranol RF 3777M	/	430-470	0.15	6000-10000

