



Polyol Line Data Table

Libramiento Noroeste Km. 12.8, Garcia, N.L., México

Phone +52 (81) 8369-0300, Fax +52 (81) 8369-0345

<http://www.pumex.com>

Polyol Ranges

Type	Functionality	OH No.	Water max %	Viscosity (@ 25°C cps)	Gardner color	Ph MeOH/H ₂ O
Sucrose	3.0 – 6.0	290 – 470	0.20	600 – 35,000	6-14	7.0
Sorbitol	>4.6	300 – 480	0.15	1,100 – 7,000	7	7.0
Specialty	3.0 – 4.0	156 – 750	0.10	250 – 35,000	2-5	5.5 - 11.0
Mannich	3.0 – 4.8	425 – 520	0.10	4,000 – 33,000	10-11	10.0 - 11.0

Mannich

Product	Functionality	OH No	Water Max	Viscosity	Gardner	pH	Applications
	Aprox	Typical	%	25°C cps	Color	MeOH/H ₂ O	Uses
Markol RB-214	4.8	470	0.1	33,000	10	10,0	High reactivity aromatic amine polyol for spray foams and general purpose rigid foams.
Markol RB-216	4.8	470	0.1	16,000	10	11,0	Very reactive, high functional aromatic amine polyol with low viscosity for spray foams and general purpose rigid foams.
Markol RB-225	4.0	425	0.1	4,000	10	11,0	Very reactive, medium functionaly aromatic amine polyol with very low viscosity for spray foams.
Markol RB-1250	3.0	520	0.1	8,000	11	11,0	Highly reactive aromatic amine phenolic polyol for spray foams and general purpose rigid foams.
Markol RB-1240	3.5	470	0.1	5,000	11	11,0	High reactivity and moderate functional aromatic amine phenolic polyol with low viscosity for spray foams and general purpose rigid foams.

Glycols

Product	Functionality	OH No	Water Max	Viscosity	Gardner	pH	Applications
	Aprox	Typical	%	25°C cps	Color	MeOH/H ₂ O	Uses
Markol RB-109	4	750	0.1	35,000	2	11,0	Amine high reactivity polyol for rigid foams.
Markol RB-910	3	600	0.1	350	2	10,5	Amine triol with catalytic abilities to decrease viscosity and improve flowability.
Markol RB-923	3	610	0.1	500	5	10,5	Amine triol with catalytic abilities to decrease viscosity and improve flowability.
Markol RB-1025	3	235	0.2	250	2	6,5	Short triol for making wood duplication; also used as viscosity reducer.
Markol RB-1055	3	156	0.1	250	4	5,5	Short triol for making wood duplication; also used as viscosity reducer.



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Sucrose

Product	Functionality	OH No	Water Max	Viscosity	Gardner	pH	Applications
	Aprox	Typical	%	25°C cps	Color	MeOH/H2O	Uses
Markol RB-311	4	310	0.2	700	8	7.0	Sucrose polyol for general purpose in pour and spary formulations.
Markol RB-315	5.3	400	0.2	8,000	10	7.0	Low viscosity polyol for pour - in - place, molded and structural rigid foams.
Markol RB-318	> 5.5	370	0.2	17,000	14	7.0	Sucrose polyol with high functionality for panels and refrigeration.
Markol RB-322	4.5	290	0.2	1,000	8	7.0	Low viscosity sucrose polyol for improving flowbility.
Markol RB-340	4.35	435	0.2	6,200	8	7.0	Polyol for pour - in - place, molded and structural rigid foams.
Markol RB-355	6	470	0.2	35,000	14	7.0	Sucrose polyol with high functionality and high carbohydrate content for panels and refrigeration.
Markol RB-360	4.5	375	0.2	3,000	11	7.0	Low viscosity polyol for pour - in - place, molded and structural rigid foams.
Markol RB-380	3	380	0.2	600	6	7.0	Sucrose triol polyol for mking wood duplication also used as viscosity reducer.

Sucrose-Amine

Product	Functionality	OH No	Water Max	Viscosity	Gardner	pH	Applications
	Aprox	Typical	%	25°C cps	Color	MeOH/H2O	Uses
Markol RB-913	4.7	490	0.2	6,500	10	10	Sucrose - amine polyols improved dimensional stability.
Markol RB-930	4.7	520	0.2	12,000	11	10.5	Sucrose - amine polyols improved dimensional stability.

Sorbitol

Product	Functionality	OH No	Water Max	Viscosity	Gardner	pH	Applications
	Aprox	Typical	%	25°C cps	Color	MeOH/H2O	Uses
Markol RB-813	> 4.6	480	0.15	7,000	7	7.0	Non - catalytic crosslinking sorbitol - based polyol for rigid foams; good moldeability.
Markol RB-814	> 4.6	300	0.15	1,100	7	7.0	Low viscosity sorbitol - based polyol for reducing viscosity and for flow improvement.