



SABIC® Polyol
SABIC® Isocyanate

SABIC® POLYOLS are medium to high molecular weights polyether polyols. They are easy to process and are used for the production of flexible , semi-rigid and rigid foams using slabstock and molding processes. Some of SABIC® polyols can be used in non-foam applications.

KEY PRODUCT PROPERTIES



EASY TO PROCESS

CAN FIT ADEQUATELY IN SLABSTOCK AND MOLDING POLYURETHANE FOAM PRODUCTION



LOW ODOR END-PRODUCTS

POLYURETHANE ARTICLES FROM SABIC® POLYOLS ARE LOW ODOR PRODUCTS



EXCELLENT FOR FLEXIBLE FOAM

ABILITY TO BE USED IN ALL TYPES OF FLEXIBLE AND SEMI-RIGID POLYURETHANE FOAM PRODUCTION



REDUCED VOLATILES

VOLATILES ARE MINIMIZED WHEN USING SABIC® POLYOLS FOR POLYURETHANE FOAM PRODUCTION



NON-FOAM APPLICATIONS

SPECIFIC GRADES CAN BE USED IN NON-FOAM APPLICATIONS



EXCELLENT COLOR RETENTION

SABIC® POLYOLS GIVE THE ABILITY TO RETAIN ORIGINAL COLOR



SABIC® POLYOLS PORTFOLIO

SABIC Grade	Hydroxyl number (mg KOH/g)*	Viscosity (cSt)	Typical properties/applications
POLYOL 0434	32.3 - 35.6	415 - 455	High reactivity , high resilience (HR) flexible molded foams , semi - flexible molded foam , NVH (noise , vibration , harshness) molding , formulating (systems) and specialty foams for interior trim and seating
POLYOL 0548	46 - 50	650 - 750	General purpose polyol , flexible slabstock foams ranging from low to high density
POLYOL 0656	54.5 – 58.5	550-650	General purpose polyol , flexible slabstock foams ranging from low to high density
POLYOL 1127	27 - 29	1060 - 1200	High reactivity , high resilience flexible molded foams with TDI , TDV PMDI blends or MDI , semi - rigid integral skins and cold cure MDI foams
POLYOL 1132	30.5 – 34.5	1050-1250	High resilience flexible molded foams for seating and interior foam , high load bearing and dual hardness foams , a broad range of semi - flexible molded foam
POLYOL 1529	27.5 – 31.5	1400-1600	High resilience (HR) and combustion modified high resilience (CMHR) flexible slabstock

*Please refer to safety data sheet (SDS) separately for information on EHS general guidelines and precautions during handling and storage of SABIC®POLYOLS on www.sabic.com



SABIC® ISOCYANATES SABIC provides two type of isocyanates; diphenylmethane diisocyanate (MDI) and toluene diisocyanate (TDI). Both types are easy to process during polyurethane production. They can be used in all type of foam and non-foam rigid and flexible applications.

KEY PRODUCT PROPERTIES



EASY TO PROCESS

CAN FIT ADEQUATELY IN ALL TYPE OF FOAM AND NON-FOAM RIGID AND FLEXIBLE PRODUCTION PROCESSES .



MDI CHARACTERISTICS

MIXTURE OF DIPHENYLMETHANE 4,4 DIISOCYANATE, ISOMERS AND HIGH FUNCTIONALITY PMDI. USED FOR FOAM AND NON-FOAM RIGID AND FLEXIBLE APPLICATIONS.



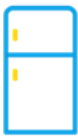
EXCELLENT FOR FLEXIBLE FOAM

ABILITY TO BE USED IN ALL TYPE OF FLEXIBLE AND SEMI-RIGID POLYURETHANE FOAM APPLICATION



TDI CHARACTERISTICS

MIXTURE OF 2,4 AND 2,6 ISOMERS OF TOLUENE DIISOCYANATE. CAN BE USED WITH AND WITHOUT AUXILLARY BLOWING AGENTS TO PRODUCE FLEXIBLE FOAM AND IN OTHER NON-FOAM APPLICATIONS.



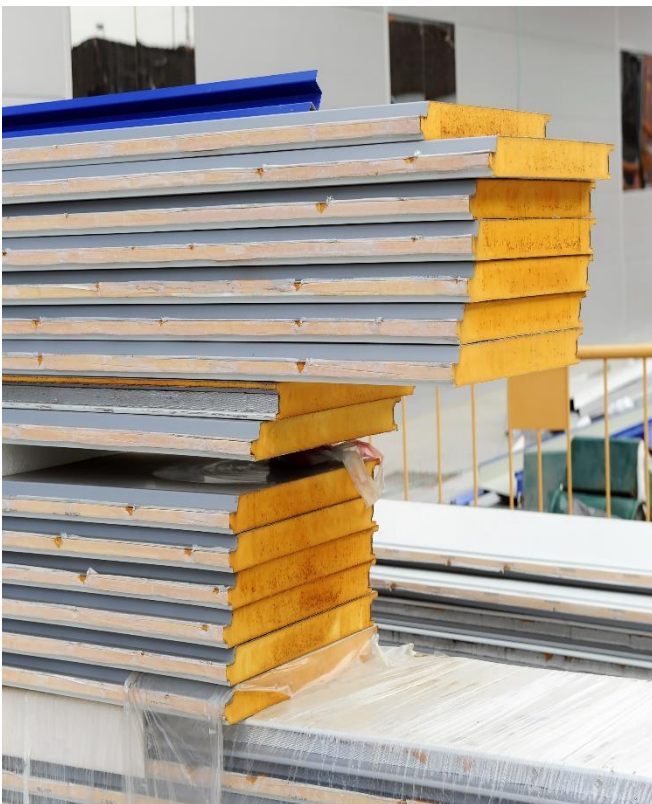
EXCELLENT FOR RIGID FOAM

ABILITY TO BE USED IN ALL TYPE OF RIGID POLYURETHANE FOAM APPLICATION



NON-FOAM APPLICATIONS

GRADES CAN BE USED IN NON-FOAM APPLICATIONS



SABIC® ISOCYANATES PORTFOLIO

SABIC Grade	Isocyanate (NCO) content (% weight)*	Viscosity (mPa.s)	Typical applications
MDI 2031	30.4 - 32	160-240	Polymeric MDI. Foamed and non - foamed rigid , viscoelastic and flexible applications suitable for the production of foamed and non foamed rigid , viscoelastic and flexible applications.
TDI 0380	48.2	3	Acidity of 40 ppm , well suited for use in automotive seating , furniture applications , mattress cushioning , specialty foams , coatings , adhesive , sealants and prepolymers

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CONTACT US

Middle East and Africa

Global Headquarters

PO Box 5101
Riyadh 11422
Saudi Arabia
T +966 (011) 225 8000
F +966 (011) 225 9000
[E info@sabic.com](mailto:info@sabic.com)

Europe

PO Box 5151
6130 PD Sittard
The Netherlands
T +31 467 222 222
F +31 467 220 000
[E info@sabic.com](mailto:info@sabic.com)

Asia Pacific

One Temasek Avenue
06-01 Millenia Tower
Singapore 039192
T +65 655 725 55
F +65 653 181 01
[E info@sabic.com.sg](mailto:info@sabic.com.sg)

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