

SABIC® Polyol  
SABIC® Isocyanate

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**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) @25° C	Typical properties/applications
POLYOL 0434	32.3 - 35.6	860	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](http://www.sabic.com)



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**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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