

JEFFOL[®] Polyether Polyols



Enhancing high performance polyurethanes

Innovative Solutions for the Polyurethanes Industry

Dedicated to the polyurethanes industry for more than five decades, Huntsman is a world leader in the production of polyether and aromatic polyester polyols and MDI-based technologies.

Our footprint in the Americas extends from Canada to Argentina. Our facilities include manufacturing sites, systems houses, technical, sales and customer support/distribution centers, from which we serve the insulation, composite wood products, automotive, adhesives, coatings and specialties, elastomers, TPU, furniture/bedding and footwear markets.



FROM JEFFOL® POLYOLS TO ENERGY-SAVING INSULATION

Huntsman Polyurethanes is a global leader in MDI-based polyurethanes, serving over 3,000 customers in more than 90 countries. We have worldscale production facilities in the US, the Netherlands and China, and more than 30 highly capable downstream formulation facilities, which are located close to our customers, worldwide.

JEFFOL® Polyether Polyols

Huntsman produces a variety of JEFFOL® polyether polyols which are essential to the development of flexible foam applications and polyurethane systems for energy-saving insulation.

JEFFOL® Polyol/ Features	Reactive Aromatic Amine Polyol	Reactive Amine Polyol	Blowing Agent Solubility	Improved Pentane Solubility	High Water Content Compatible	Fire Performance Improvements	High Functionality	Catalyst Reduction	Blend Compatibility	Lower Viscosity	Flow, Reactivity, Properties for Panels	General Purpose for Rigid Foams
AMINE POLYOLS												
JEFFOL® A-630		X						X		X		
JEFFOL® A-800		X					X					
JEFFOL® AD-310	X		X							X		
JEFFOL® AD-393	X		X				X	X	X	X		
JEFFOL® AD-500	X								X			
MANNICH POLYOLS												
JEFFOL® R-350X	X					X						
JEFFOL® R-425X	X			X								
JEFFOL® R-470X	X				X				X			
JEFFOL® R-650X	X						X					
SUCROSE/GLYCOL POLYOLS												
JEFFOL® SD-311										X		X
JEFFOL® SD-361									X			X
JEFFOL® SD-441									X		X	X
SUCROSE/GLYCERINE POLYOLS												
JEFFOL® SG-360												X
JEFFOL® SG-522						X	X					X
SUCROSE/AMINE POLYOLS												
JEFFOL® SA-499		X						X				
SORBITOL POLYOLS												
JEFFOL® S-490							X					

JEFFOL® Polyol/ Typical Properties	Hydroxyl Number (mg KOH/g)	Viscosity (cP @ 25°C)	Specific Gravity (@ 25°C)	H2O Content (max wt%)	Functionality
AMINE POLYOLS					
JEFFOL® A-630	635	430	1.07	0.1	3.0
JEFFOL® A-800	800	20,000	1.05	0.1	4.0
JEFFOL® AD-310	310	2,200	1.06	0.1	3.2
JEFFOL® AD-393	393	5,000	1.08	0.1	3.9
JEFFOL® AD-500	500	18,000	1.10	0.1	3.2
MANNICH POLYOLS					
JEFFOL® R-350X	530	14,000	1.12	0.1	2.9
JEFFOL® R-425X	425	4,500	1.105	0.1	3.2
JEFFOL® R-470X	470	11,500	1.06	0.1	3.3
JEFFOL® R-650X	350	24,000	1.06	0.1	3.7
SUCROSE/GLYCOL POLYOLS					
JEFFOL® SD-311	311	1,450	1.08	0.1	4.3
JEFFOL® SD-361	360	2,500	1.08	0.1	4.4
JEFFOL® SD-441	440	6,500	1.11	0.1	4.3
SUCROSE/GLYCERINE POLYOLS					
JEFFOL® SG-360	360	3,500	1.10	0.1	4.7
JEFFOL® SG-522	520	30,000	1.17	0.1	5.0
SUCROSE/AMINE POLYOLS					
JEFFOL® SA-499	495	6,500	1.11	0.3	4.3
SORBITOL POLYOLS					
JEFFOL® S-490	490	9,000	1.10	0.1	4.7

General Purpose* JEFFOL® Polyol/Typical Properties	Hydroxyl Number (mg KOH/g)	Viscosity (cP @ 25°C)	Specific Gravity (@ 25°C)	H2O Content (max wt%)	Functionality
GLYCERINE POLYOLS					
JEFFOL® FX31-167	167	250	1.02	0.05	3.0
JEFFOL® FX31-240	240	250	1.03	0.05	3.0
JEFFOL® G30-650	650	900	1.09	0.10	3.0
POLYPROPYLENE GLYCOLS					
JEFFOL® PPG-400	282	75	1.00	0.05	2.0
JEFFOL® PPG-1000	112	150	1.00	0.02	2.0
JEFFOL® PPG-2000	56	370	1.01	0.05	2.0
POLYPROPYLENE GLYCOLS/ETHYLENE OXIDE CO-POLYMERS					
JEFFOL® PPG-2801	40	525	1.02	0.05	2.0
JEFFOL® PPG-3703	30	750	1.02	0.10	2.0
JEFFOL® PPG-3706	30	780	1.02	0.10	2.0
JEFFOL® PPG-3709	30	820	1.03	0.10	2.0
PROPYLENE OXIDE/ETHYLENE OXIDE CO-POLYMERS					
JEFFOL® FC31-56	56	490	1.02	0.05	3.0
JEFFOL® G31-28	28	1,150	1.02	0.07	3.0
JEFFOL® G31-32	32	960	1.02	0.10	3.0
JEFFOL® G31-35	35	860	1.02	0.10	3.0
JEFFOL® G31-43	43	975	1.09	0.10	3.0
JEFFOL® G32-170	170	130	1.13	0.50	3.0
JEFFOL® FE41-42	42	710	1.10	0.07	3.0
TMP					
JEFFOL® TP-400	400	65	1.02	0.05	3.0

* Can also be used in Rigid Polyol Systems

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Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent on the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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MDI Manufacturing Locations

Geismar, Louisiana, USA
Rotterdam, the Netherlands
Shanghai, China

**Polyurethane Systems Houses
and Downstream
Manufacturing Locations**

Boisbriand, Canada
Mississauga, Canada
Ringwood, Illinois, USA
Arlington, Texas, USA
Houston, Texas, USA
Cartagena, Colombia
Taboão da Serra, Brazil
King's Lynn, United Kingdom
Osnabrueck, Germany
G'marnehutte, Germany
Deggendorf, Germany
Modena, Italy
Azeglio, Italy
Ternate, Italy
Obninsk, Russia
Istanbul, Turkey
Dammam, Saudi Arabia
Dubai, United Arab Emirates
Pune, India
Tokyo, Japan
Bangpoo, Thailand
Ningwu, China
Minhang, China
Jinshan, China
Kuan Yin, Taiwan
Ho Chi Minh City, Vietnam
Jakarta, Indonesia
Deer Park, Australia

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