



Polyester Diols

A comprehensive range of polyester diols that can be customized with flexibility and responsiveness

Formulators can achieve specific properties geared to the final application with our broad range of high-performance aliphatic polyester polyols for the synthesis of high-quality coatings, adhesives and polyurethane elastomers. SONGSTAR™ polyester polyols can be tailor made to meet various - including highly demanding - requirements.

It's all about **the chemistry™**

 **SONGWON**

About SONGWON Industrial Group

SONGWON, which was founded in 1965 and is head-quartered in Ulsan, South Korea, is a leader in the development, production and supply of specialty chemicals.

The second largest manufacturer of polymer stabilizers worldwide, SONGWON operates group companies all over the world, offering the combined benefits of a global framework and readily accessible local organizations.

Dedicated experts work closely together with customers to develop tailor-made solutions that meet individual requirements.

For further information, please go to:
www.songwon.com



Polyester Diols



Polyester diols are base materials that allow formulators to produce high-quality polyurethane products.

	Material Formation: Dibasic Acid	Material Formation: Glycol	Molecular Weight	Viscosity (cps/75°C)	Acid Value (mg KOH/g)
SONGSTAR™ SS-106/106S Poly(1,4-butylene adipate) CAS NO. 25103-87-1 VL (30°C~ 50°C) 'S' Grade: Thermoplastic polyurethane	Adipic acid	Butanediol	950 ~ 1050	140 ~ 200	< 0.5
SONGSTAR™ SS-206/206S Poly(1,4-butylene adipate) CAS NO. 25103-87-1 VL (30°C~ 50°C) 'S' Grade: Thermoplastic polyurethane	Adipic acid	Butanediol	1900 ~ 2100	650 ~ 800	< 0.3
SONGSTAR™ SS-306/306S Poly(1,4-butylene adipate) CAS NO. 25103-87-1 VL (30°C ~ 50°C) 'S' Grade: Thermoplastic polyurethane	Adipic acid	Butanediol	2700 ~ 3300	700 ~ 2000	< 1.0
SONGSTAR™ SS-20N Poly(neopentylene adipate) CAS NO. 27925-07-1 VL (10°C ~ 40°C)	Adipic acid	Neopentanediol	1900 ~ 2250	850 ~ 1200	< 1.0

	Material Formation: Dibasic Acid	Material Formation: Glycol	Molecular Weight	Viscosity (cps/75°C)	Acid Value (mg KOH/g)
SONGSTAR™ SS-30N Poly(neopentylene adipate) CAS NO. 27925-07-1 VL (10°C ~ 40°C)	Adipic acid	Neopentanediol	2700~3300	1800~2300	< 1.0
SONGSTAR™ SS-208 Poly(1,6-hexanediol adipate) CAS NO. 25212-06-0 VL (30°C~ 50°C)	Adipic acid	1,6-hexanediol	1850 ~ 2150	500 ~ 700	< 1.0
SONGSTAR™ SS-1046 Poly(1,4-butylene ethylene adipate) CAS NO. 26570-73-0 VL (30°C~ 45°C)	Adipic acid	Ethylene glycol Butandiol	950 ~ 1050	140 ~ 200	< 0.5
SONGSTAR™ SS-2046 Poly(1,4-butylene ethylene adipate) CAS NO. 26570-73-0 VL (30°C~ 45°C)	Adipic acid	Ethylene glycol Butandiol	1850 ~ 2150	500 ~ 800	< 0.5
SONGSTAR™ SS-107 Poly(diethylene glycol adipate) CAS NO. 9010-89-3 VL (10°C ~ 40°C)	Adipic acid	Diethylene glycol	950 ~ 1050	100 ~ 180	< 0.5
SONGSTAR™ SS-207 Poly(diethylene glycol adipate) CAS NO. 9010-89-3 VL (10°C ~ 40°C)	Adipic acid	Diethylene glycol	1850 ~ 2150	350 ~ 540	< 0.5
SONGSTAR™ SS-204 Poly(ethylene adipate) CAS NO. 24938-37-2 VL (10°C ~ 40°C)	Adipic acid	Ethylene glycol	1850 ~ 2150	450 ~ 650	< 0.5
SONGSTAR™ SS-205 Poly(propylene glycol adipate) CAS NO. 25101-03-05 VL (10°C ~ 40°C)	Adipic acid	1,2-propanediol	1850 ~ 2150	400 ~ 600	< 0.3
SONGSTAR™ SS-1047 Poly(ethylene glycol diethylene glycol adipate) CAS NO. 25214-18-0 VL (10°C ~ 40°C)	Adipic acid	Ethylene glycol Diethylene glycol	950 ~ 1050	140 ~ 220	< 0.5
SONGSTAR™ SS-2047 Poly(ethylene glycol diethylene glycol adipate) CAS NO. 25214-18-0 VL (10°C~ 40°C)	Adipic acid	Ethylene glycol Diethylene glycol	1850 ~ 2150	400 ~ 600	< 0.5

Standard Packaging

- **Polyester Diols:** 200 kg Steel Drum

Key to Abbreviations of Physical Forms

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|------------------------|-------------------------------|---------------------------------|-----------------------------|
| • PW: Powder | • DW: Dispersion | • BD: Beads | • GR: Granule |
| • SB: Semi Bead | • MB: Micro Beads | • DF: Dust Free Flow | • FG: Fine Grind |
| • SL: Solid | • FC: Fusion Crystal | • CP: Crystalline Powder | • VL: Viscous Liquid |
| • FF: Free Flow | • LQ: Liquid or Molten | • PS: Pastilles | |



Transport and Storage

As a general guideline, we recommend storing the products mentioned in this brochure in their original sealed containers in a cold and dry place. For more detailed information on a specific product, please refer to the corresponding **Technical Data Sheet**.

By law, a number of chemical products must be labeled in respect of transport, storage and handling. Thus corresponding care is a prerequisite for their appropriate handling. Furthermore, local legal regulations may apply.

Detailed information is given in the respective **Safety Data Sheets**.



For further information, please go to:

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SONGWON provides customers with warranties and representations as to the chemical or technical specifications, compositions and/or the suitability for use for any particular purpose exclusively in individual written agreements.

The facts and figures contained herein have been carefully compiled to the best of SONGWON's knowledge but are essentially intended for informational purposes only.

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