



**Sino-American  
Pigment Systems, Inc.**  
QUALITY RAW MATERIALS ■ ENVIRONMENTAL TECHNOLOGY

**CLARIFYING AGENTS FOR POLYPROPYLENE (SA-01 & SA-02) - PRODUCT DESCRIPTION**

**Description:** SINO AMERICAN SA-Series of clarifying agents for polypropylene (PP) are high quality and cost competitive products. They remove the haziness of the PP, enhance its stiffness and impact strength, and increase the rate of crystallization.

SA-01 is a clarifying agent for PP with lower odor during processing. SA-02 is the high performance clarifying agent for PP without odor during processing and in finished product.  
FDA certification for SA-02 is in processing.

**Applications:** Both grades can be used as clarifying agents in almost every polypropylene manufacturing process to make polypropylene appears better, clearer, cleaner, lower density, stronger strength, higher productivity, better odor performance and lower cost. They provide improvement clarify of PP in its application of sheet, blow and injection molding.

**Packaging:** 10 or 15 KG carton or drum with plastic lining bag.

**TYPICAL SPECIFICATIONS**

:			
Product Code		SA-01	SA-02
Chemical name		Substituted dibenzylidene sorbitol	Substituted dibenzylidene sorbitol
Molecular Formula	R <sub>1</sub> and R <sub>2</sub> are substituting groups	C <sub>20</sub> H <sub>20</sub> R <sub>1</sub> R <sub>2</sub> O <sub>6</sub>	C <sub>20</sub> H <sub>20</sub> R <sub>1</sub> R <sub>2</sub> O <sub>6</sub>
Appearance		White powder	White powder
Odor	Define	Low	None
Melting Point	°C	220 - 230	220 - 230
Volatile Content at 105° C	% ≤	0.5	0.5
Bulk Density	g/l	100 - 250	100 - 250
Specific Gravity	g/cm <sup>3</sup>	0.20 - 0.30	0.20 - 0.30
Heavy Metal ( Pb )	ppm ≤	4	4
Residue	% ≤	0.1	0.1
Solubility	% Maximum	Not dissolve in water	Not dissolve in water
pH Value	Nominal	7.0 - 7.5	7.0 - 7.5
Flammable	Define	None	None
Stability	Define	Stable	Stable
Diaphaneity	%	87.7	87.7
Gloss	%	130.9	125.3
White	Wr	97	97