

Application Data

Styrene Allyl Alcohol

SAA-100™ and SAA-101™ Copolymers
Hydroxy Functional Resins for Toners

Features

- Low Viscosity & Melt Temperatures
- High Functionality
- High Thermal Stability

Benefits

- Improved Adhesion
- Brilliant Color
- Heat Resistance
- Water Resistance

Typical Properties

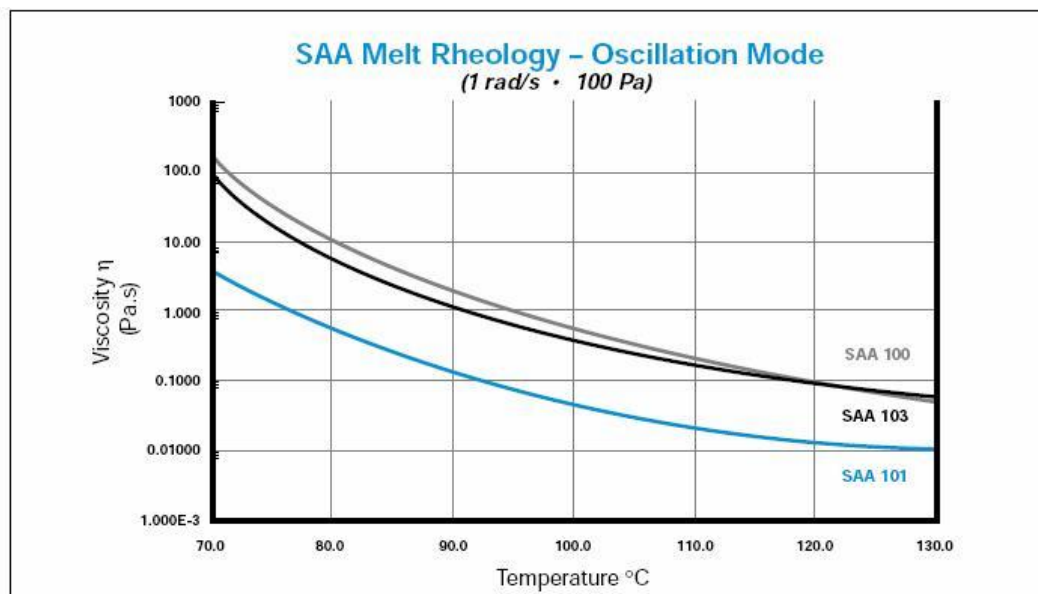
COMPOSITION	SAA-100		SAA-101	
Bound Styrene, mole %	70		60	
Bound Allyl Alcohol, mole %	30		40	
PHYSICAL PROPERTIES				
Physical Form	Pastilles	Pastilles		
Appearance	White		White	
Color, APHA (30% in MEK)	40		40	
Molecular Weight, GPC (Number Average, Mn)	1,500		1,200	
Molecular Weight, GPC (Weight Average, Mw)	3,000		2,500	
Pd (Polydispersity)		2.0		2.1
Hydroxyl Number (mg KOH/gm)	210		255	
Equivalent wt.	267			220
Acid Number (mg KOH/gm)	<0.1		<0.1	
Tg, °C	62		57	
TS (Softening Point), °C	79		73	
T1, °C	90		78	
T2, °C	103			95
T1/2, °C	105			98
Viscosity (cps @100 °C)		317		
Specific Gravity		1.05		

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