Application Data

Styrene Allyl Alcohol

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

Features

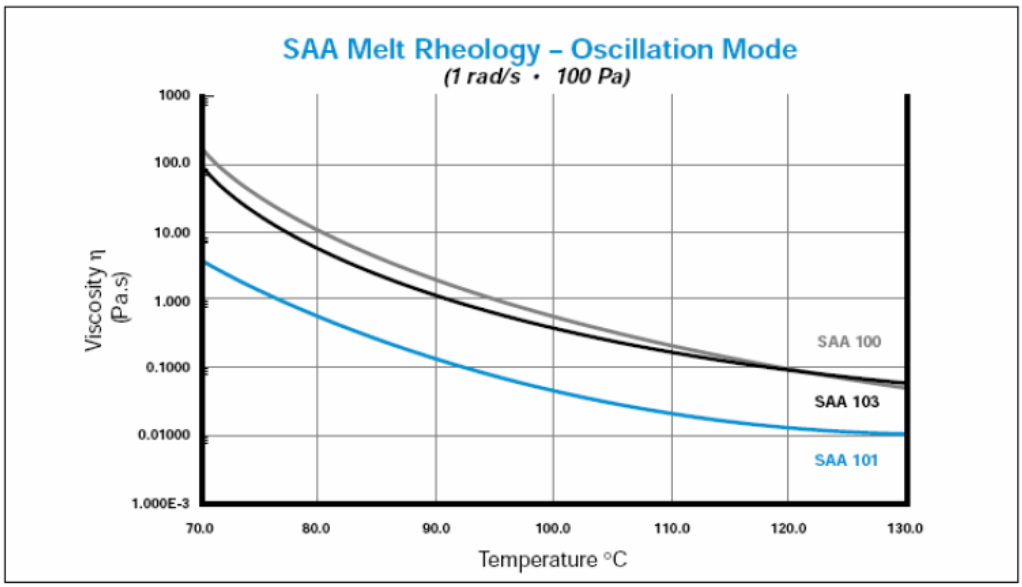
- Low Viscosity & Melt Temperatures
- High Functionality
- High Thermal Stability

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	338
Specific Gravity	1.05	1.09



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