

Application Data

Styrene Allyl Alcohol

SAA-100™ 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
Bound Styrene, mole %	70
Bound Allyl Alcohol, mole %	30

PHYSICAL PROPERTIES

Physical Form	Pastilles
Appearance	White
Color, APHA (30% in MEK)	40
Molecular Weight, GPC (Number Average, Mn)	1,500
Molecular Weight, GPC (Weight Average, Mw)	3,000
Pd (Polydispersity)	2.0
Hydroxyl Number (mg KOH/gm)	210
Equivalent wt.	267
Acid Number (mg KOH/gm)	<0.1
Tg, °C	62
TS (Softening Point), °C	79
T1, °C	90
T2, °C	103
T1/2, °C	105
Viscosity (cps @100°C)	317
Specific Gravity	1.05