

08. SHIVA PRODUCT SELECTION GUIDE – PRINTING & PACKAGING INDUSTRY

WATER-BASED RESINS

SPCRYL

HPD RESIN SOLUTION – N SERIES

Shiva's SPCRYL HPD line of resin solutions allow ink manufacturers to make pigment dispersions that reduce milling time, are higher in pigment loading and color development, are viscosity stable and compatible in most water-based ink systems. HPD N Series is new version of existing product line with enhanced properties from pigment dispersions to low viscosity features.

Product	Appearance	pH	Solids %	Brookfield viscosity, cps @ 30 degree	Acid Value	Tg (°C)	Descriptions & Applications
SPCRYL 160 EH-N	Yellow clear liquid	8.5 - 9.5	33 - 35	3000 - 6000	230	105 - 115	Acrylic dispersion designed for high pigment loading with low viscosity and stability
SPCRYL 296N	Amber clear liquid		35 - 36	200 - 600	140 - 150	15 - 20	Acrylic dispersion designed for high pigment loading with lowest viscosity and stability
SPCRYL 396N	Amber clear liquid		30 - 32	100 - 500	200 - 220	85 - 95	Acrylic dispersion designed for high pigment loading with lowest viscosity and stability
SPCRYL 496N	Yellow clear liquid		34 - 35	300 - 800	200 - 230	55 - 65	Acrylic dispersion designed for high pigment loading with lowest viscosity and stability

