



Sun Polymer Products

SPARKLE TGIC Polyester Summary Super Durable

SUPER DURABLE	ACID VALUE	TG	PE/TGIC	CURE	VISCOSITY 200°C (POISE)
SP-6400	28-36	64°C	93/7	10'@200°C	25-40
Good balance of flow and cure					
SP-6575	28-36	64°C	93/7	10'@200°C	25-40
FDA compliant					
SP-7400	30-35	64°C	93/7	10'@200°C	10-19
Higher flow than SP-6400					
SP-6491	45-55	62°C	90/10	10'@200°C	18-28
Higher chemical resistance than 93/7 SD					
SP-6420	28-36	64°C	93/7	10'@160°C	25-40
Low cure super-durable					

SPARKLE TGIC Polyester Summary Standard Durable

STANDARD DURABLE	ACID VALUE	TG	PE/TGIC	CURE	VISCOSITY 200°C (POISE)
SP-011	28-36	65°C	93/7	10'@200°C	50-64
Work horse					
SP-022	28-36	65°C	93/7	10'@180°C	50-64
Intermediate cure, work horse					
SP-033	28-36	62°C	93/7	10'@200°C	25-40
High flow					
SP-055	29-35	61°C	93/7	10'@160°C	27-36
Low cure coupled with good flow					
SP-7700	28-36	62°C	93/7	10'@200°C	20-34
Economical high flow					
SP-6850T	30-36	65°C	93/7	10'@200°C	11-18
Tribo enhanced					
SP-088	40-50	50°C	90/10	10'@200°C	7-18
Developed for MDF, requires catalyst addition					

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SPARKLE TGIC Polyester Summary Standard Durable

STANDARD DURABLE	ACID VALUE	TG	PE/TGIC	CURE	VISCOSITY 200°C (POISE)
SP-940	30-35	64°C	93/7	10'@200°C	10-19
Non-blooming					
SP-6100	48-55	60°C	90/10	10'@200°C	15-35
Used with SP-8300 for dry blend low gloss					
SP-6300	17-25	59°C	96/4	10'@200°C	50-70
Can also be used with SP-6100 for low gloss dry blend					
SP-044	28-36	62°C	93/7	10'@180°C	28-36
Intermediate cure with good flow balance					
SP-6820	28-36	60°C	93/7	10'@160°C	28-36
Low cure					
SP-7720	28-36	62°C	93/7	10'@160°C	18-28
Low cure					
SP-6700B	28-36	65°C	93/7	10'@200°C	50-64
High heat resist specialty					

SPARKLE HAAM Polyester Summary

STANDARD DURABLE	ACID VALUE	TG	PE/HAAM	CURE	VISCOSITY 200°C (POISE)
SP-8300	18-25	60°C	96.5/3.5	10'@180°C	33-50
Low HAAM Demand					
SP-8800	28-36	60°C	95/5	10'@180°C	25-45
Standard HAAM Demand					
SUPER DURABLE	ACID VALUE	TG	PE/HAAM	CURE	VISCOSITY 200°C (POISE)
SP-8400	30-35	64°C	95/5	10'@180°C	10-19
Exceptionally high flow					
SP-6491	45-55	62°C	92/8	10'@160°C	18-28
Low cure, higher chemical resistance					
SP-6575	28-36	64°C	95/5	10'@180°C	25-40
FDA compliant					
SP-8500	18-25	60°C	96.5/3.5	10'@180°C	18-30
Low-mid gloss when blended with SP-6491					

SPARKLE Urethane Polyester Summary

STANDARD DURABLE	HYDROXYL	TG	PE/ISOCYANATE RATIO	CURE	VISCOSITY 200°C (POISE)
SP-100	30-40 OHN	61°C	85/15	20'@200°C	25-40
Low curative demand					
SP-400	40-45 OHN	62°C	83/17	20'@200°C	25-40
Recommended for wrinkles with TMMGU					
SP-500	38-44 OHN	62°C	83/17	20'@200°C	25-45
AV 10-14					
SP-600	45-55	60°C	80/20	10'@200°C	50-65
Higher chemical resistance					
SP-1200	45-55	57°C	80/20	20'@200°C	20-40
Higher chemical resistance					

SUPER DURABLE	ACID VALUE	TG	PE/TGIC	CURE	VISCOSITY 200°C (POISE)
SP-1300	35-45	62°C	84/16	20'@200°C	10-16
Good flow with high durability					

SPECIALTY HIGH HYDROXYL	HYDROXYL	TG	PE/ISOCYANATE RATIO	CURE	VISCOSITY 200°C (POISE)
EL-1700	100-130 OHN	60°C	65/35	15'@200°C	25-45
AV < 5					
EL-1900	280-320 OHN	62°C	Various	15'@200°C	25-45
Used for low gloss 1 shot with SP-400					

SPARKLE Hybrid Polyester Summary

50/50 HYBRIDS	ACID VALUE	TG	CURE	VISCOSITY 200°C (POISE)
SP-3300	70-85	60°C	10'@200°C	15-30
Standard Cure				
SP-080	70-85	60°C	10'@180°C	15-30
Intermediate Cure				
SP-050F	70-85	60°C	8'@180°C	15-30
Slightly faster cure than SP-080				
SP-3320	70-85	60°C	10'@160°C	15-30
Low cure				

60/40 HYBRIDS	ACID VALUE	TG	CURE	VISCOSITY 200°C (POISE)
SP-040	48-55	53°C	10'@200°C	9-15
Standard Cure				
SP-060	48-55	53°C	10'@180°C	12-30
Intermediate Cure				
SP-070	48-55	53°C	10'@200°C	12-30
Standard Cure				
SP-090	48-55	50°C	10'@200°C	10-18
Exceptionally high flow				
SP-3500	48-55	55°C	10'@200°C	15-30
SPF-550	48-60	53°C	Uncatalyzed	15-30
FDA compliant, requires catalyst addition				

70/30 HYBRIDS	ACID VALUE	TG	CURE	VISCOSITY 200°C (POISE)
SP-2210	28-36	57°C	10'@200°C	15-30
Work horse				
SP-9100	30-34	53°C	10'@200°C	28-40
Higher flow than SP-2210				
SP-030	28-36	50°C	10'@180°C	15-30
Excellent in textures				

STYRENE Containing Carboxyl Acrylic Resins

CODE	AV	VISCOSITY 200°C (POISE)	TG (°C)
AA-748T	72-76	50-90	55°C
50/50 epoxy-acrylic hybrid or epoxy-polyester-acrylic hybrids			
AA-800	68-72	10-25	50°C
50/50 epoxy-acrylic hybrid or epoxy-polyester-acrylic hybrids			
AA-280	200-215	8-20	67°C
Additive levels (10-15%) for low gloss epoxy or hybrids. Used in MDF applications			
AA-1100	51-55	14-19	50°C
Chemical resistant 60/40 hybrids			

GMA Acrylic Copolymers

GMA ACRYLIC	COUNTER	EEW	VISCOSITY 200°C (POISE)	TG (°C)
AG-300	Estron GMA-300	300-350	8-20	48°C
Used for low temperature cure MDF application				
AG-500	Estron Isocryl 550	500-570	20-35	65°C
Primarily as co-crosslinker for low gloss TGIC systems				
AG-501	Anderson PD-7610	520-570	8-20	50°C
High gloss clears crosslinked with dodecane dioic acid				
AG-800	New Offering	780-850	6-15	75°C
Used for 1 shot low gloss systems with SP-8300				

HYDROXYL Acrylics

HYDROXYL ACRYLIC	OHN	VISCOSITY 200°C (POISE)	TG (°C)
AH-600	85-97	14-30	58°C
Used with super-durable OH polyester SP-1300			
AH-1250	40-50	40-55	54°C
Acrylic wrinkle, architectural or heat resistant markets			
AH-1250SF	40-50	50-70	56°C
New work in silicone-acrylic high durable or heat resistant			
AH-600SF	85-97	14-30	58°C
Anti-graffiti applications			

* SF designates Styrene free