







Typical Physical Properties Rosin Resins

Some products contain physical properties that are not displayed in the columns below. To locate the information needed, please choose the product link below. The properties may be found on the datasheet, SDS or sales specification.

























Rosin and Modified Rosin

Products	Description, Base Resin	Ring and Ball Softening Point	Color Gardner ^a	Color Hunterlab ^b	Color USRG Rosin Scale	Acid Number (mg KOH/g)	Data Sheet	SDS
		ASTM E 28						
Dymerex™	Dimerized Gum Rosin	144 °C	9	-	N	145		
Foral™ AX-E	Hydrogenated Gum Rosin	-	-	8	-	165		
Foralyn™ E	Partially Hydrogenated Gum Rosin	75 °C	2	-	-	168		

^a - 50% resins solids in toluene or xylene









^b - 5 cm path length, 50% in toluene; Illuminant C, 2 degree observer

Glycerol Esters

Products	Description, Base Resin	Ring and Ball Softening Point	Color Gardner ^a	Color USRG Rosin Scale	Acid Number (mg KOH/g)	Data Sheet	SDS
		ASTM E 28					
Ester Gum 8D	Rosin	-	6	-	6		
Ester Gum 8D-M, Kosher	Rosin	85 °C	4+	-	5		
Ester Gum 8L-M Resin	Rosin	84 °C	2-3	-	7		
Ester Gum 8WA-M, Kosher	Rosin	85 °C	4+	-	5		
Ester Gum 15D-M	Rosin	94 °C	9-	-	6.5		
Foral™ 85-E	Hydrogenated Gum Rosin	85 °C	2	XB	9		
Foral™ 85-E CG	Hydrogenated Gum Rosin	85 °C	2	XB	9		
Foralyn™ 90	Hydrogenated Gum Rosin	82 °C	2	-	8		
Foralyn™ 90-FG	Ester of Hydrogenated Rosin	-	3	-	8		
Permalyn™ 5095	Gum Rosin	88 °C	3	-	8		
Staybelite™ Ester 5-E	Partially Hydrogenated Rosin	-	6	-	7		
Staybelite™ Ester 10-E	Partially Hydrogenated Gum Rosin	86 °C	6	-	9		



















^a - 50% resin solids in toluene

Methyl Esters

Products	Description, Base Resin	Ring and Ball Softening Point	Color Gardner ^a	Acid Number (mg KOH/g)	Data Sheet	SDS
		ASTM E 28				
Abalyn™ D-E	Rosin	-	4	5		
Foralyn™ 5020-F	Hydrogenated Gum Rosin	Liquid	3	6		
Foralyn™ 5020-F CG	Hydrogenated Gum Rosin	Liquid	3	6		
Metalyn™ 200	Rosin	-	5	5		

^a - As is (Neat resin)

Pentaerythritol (PE) Esters

Products	Description, Base Resin	Ring and Ball Softening Point	Color Gardner ^a	Color USRG Rosin Scale	Acid Number (mg KOH/g)	Data Sheet	SDS
		ASTM E 28					
Foral™ 105-E CG	Hydrogenated Gum Rosin	101 °C	6	WW	14		
Foral™ 105-E	Hydrogenated Gum Rosin	101 °C	6	WW	14		
Foralyn™ 110	Hydrogenated Gum Rosin	109 °C	3	-	14		
Foralyn™ 110-FG	Ester of Hydrogenated Rosin	-	4	-	13		
Pentalyn™ H-E	Hydrogenated Gum Rosin	99 °C	8 - Neat Molten	-	15		
Permalyn™ 5110	Rosin	100 °C	6 - Neat Molten	-	15		
Permalyn™ 6110	Gum Rosin	101 °C	<1	-	13		
Permalyn™ 6110-M	Gum Rosin	95 °C	3 - Neat Molten	-	13		
Permalyn™ 8120	Gum Rosin	118 °C	6 - Neat Molten	-	10		

^a - 50% resins solids in toluene or xylene


Triethylene Glycol Ester

Products	Description, Base Resin	Color, Gardner ^a	Acid Number (mg KOH/g)	Data Sheet	SDS
Staybelite™ Ester 3-E	Ester of Hydrogenated Rosin	6	8		

^a - 50% resin solids in toluene

Rosin Alcohol and Special Derivatives







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Products	Description, Base Resin	Ring and Ball Softening Point	Color Gardner ^a	Color Hunterlab ^b	Acid Number (mg KOH/g)	Data Sheet	SDS
Abitol™ E	Hydrogenated Gum Rosin	Liquid	1 - Neat Molten	2	0.1		
Cellolyn™ 21-E	Phthalate Ester of Technical Hydroabietyl Alcohol	-	1	-	6		
Lewisol™ 28-M	Maleic Acid modified Glycerol Ester of Gum Rosin	131 °C	-	-	42		
Lewisol™ 29-M	Maleic acid modified glycerol ester of gum rosin	123 °C	4	-	40		
Pentalyn™ 601-M	Gum Rosin-fumaric acid modified pentaerythritol ester	-	<10	-	110		
Pentalyn™ 670-M	Gum Rosin-fumaric acid modified pentaerythritol ester	-	<10	-	176		
Pentalyn™ 702-M	Gum Rosin, phenolic modified pentaerythritol ester	139 °C	<11	-	20		
Pentalyn™ 710-M	Phenolic Modified Rosin	148 °C	9+	-	19		
Pentalyn™ 750-HV-M	Gum Rosin, phenolic modified pentaerythritol ester	159 °C	<10	-	20		
Pentalyn™ 755-M	Gum Rosin, phenolic modified pentaerythritol ester	157 °C	<10	-	24		
Pentalyn™ 765-M	Gum Rosin, phenolic modified pentaerythritol ester	158 °C	<10	-	20		
Pentalyn™ 770-M	Gum Rosin, phenolic modified pentaerythritol ester	159 °C	<10	-	20		
Pentalyn™ 780-M	Phenolic Modified Rosin	-	9	-	19		
Pentalyn™ 793 HV-M	Gum Rosin, phenolic modified pentaerythritol ester	177 °C	<12	-	26		

a - 50% resins solids in toluene or xylene

b - 5 cm path length, 50% in toluene; Illuminant C, 2 degree observer

Rosin Soaps

Products	Soap Type	Total solids content	Viscosity @ 60°C	Appearance	pH of water solution @		Color	Acid Number (min.)	Data Sheet	SDS
					0.5%	5.0%				
Dresinate™ TX	Sodium	96 %	-	Small flakes	9.1	9.4	brown	0.5		
Dresinate™ 91	Potassium	88 %	5.3 poise	paste	-	-	dark brown	15		
	Sodium	60 %	5 poise		-	-		nil		

Dresinate™
TX-60W

viscous
liquid

dark
brown