



EURO  YSER
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ADHESIVES

Non Crystallizing
Gum Rosin
Glycerol Esters
Penta Esters



FOOD AND BEVERAGE

Glycerol and
Penta
Esters



COSMETIC

Gum Rosin
Glycerol Esters
Triethylene Glycol
Esters



ROAD MARKING

Modified Penta
Esters
Modified Glycerol
Esters
Penta Esters



FLOORING

Non Crystallizing
Gum Rosin
Triethylene Glycol
Esters



PSA (TAPES AND LABELS)

Water Based
Dispersions



RUBBER

Rosin Blends
Rosin Soaps



PRINTING INKS AND VARNISHES

Rosin Adducts
and their Esters
Phenol Modified
Rosin Esters
Phenol Free
Resins

Tackifiers

	Product Line	Product	AV (mg KOH/g)	Color (Gardner)	Softening Point (°C)	% Abietic Acid	Viscosity (mPa.s)	Observations	Applications					
									Depilatory Waxes	Adhesives	Flooring	Road Marking	Special Applications	
ROSIN	Gum Rosin	YT 101 E	140-170	7 max	72-82				•	•		•	•	
	Non Crystallizing Gum Rosin	YT 102	170 max	8 max	79-83						•	•		
		YT 103	150 max	9 max	94-99						•	•		
		YT 104	150 max	6 max	71-76	8 max					•	•		
		YT 105	130 max	7 max	68-72						•	•		
		YT 106	170 max	8 max	85-90						•	•		
		YT 107	160 max	8 max	78-82						•	•		
	Disproportionated Rosin	YT 301	160 max	12 max	65-70	5 max								•
		YT 302	160 max	8 max	72-78	1 max								•
		YT 303	160 max	11 max	65-73	0,5 max								•
		YT 304	130-150	8 max	65-75	5 max								•
	Polymerized Rosin	YT 201	160 max	10 max	100-105					•	•			•
		YT 401	140 max	6 max	84-88	10 max					•			•
	ROSIN ESTERS	Glycerol Esters	YT 311	15 max	4 max	86-90		130-190		•	•		•	
YT 312			15 max	4 max	82-86		100-170	Thermosel, 170°C	•	•		•		
YT 331			60 - 70	4 max	65-75		100-150	Thermosel, 150°C	•	•				
Modified Glycerol Esters		YT 315	15 max	4 max	98-102								•	
		YT 318	10 - 20	5 max	100-110								•	
		YT 319	35 - 45	5 max	115-125								•	
Penta Esters		YT 321	20 max	3+ max	95-100		300 (a);1200 (b)	(a) Thermosel, 170°C (b) Thermosel, 150°C		•		•		
		YT 322	20 max	4 max	105-110		630 (a); 2500 (b)			•		•		
		YT 327	80-90	4 max	90-95					•				
Modified Penta Esters		YT 323	20 max	4 max	110-115						•		•	•
		YT 422	20 max	9 max	123-129						•			•
Glycerol/Triethylene Glycol Esters		YT 313	15 max	4 max	74-78									•
		YT 316	15 max	4 max	55-60									•
Triethylene Glycol Esters		YT 341	20 max	4 max			400-500	Rheometer, 80°C	•		•			
		YT 342	20 max	4 max			80000-120000		•	•	•			
		YT 343	20 max	4 max			25000-55000	Rheometer, 20°C	•		•			
		YT 344	12 max	4 max			7000-13000		•		•	•		
		Polaris II	20 - 30	4 max			15000-25000				•			
		Polaris III	45 - 60	4 max			30000-50000				•			
		Polaris IV	30 - 50	6 max			400000-500000	Rheometer, 35°C			•			
Polymerized Rosin Esters		YT 411	15 max	7 max	98-102	10 max								•
	YT 421	20 max	9 max	112-118									•	
Specially Modified Esters	YT 317	20 max	8 max	130-140									•	
	YT 324	20 max	8 max	115-120									•	
	YT 325	20 max	8 max	120-125									•	

Food and Beverage

ROSIN ESTERS	Product Line	Product	AV (mg KOH/g)	Color (Gardner)	Softening Point (°C)(Mettler)	Taste & Odor
	Glycerol Esters for Chewing Gum		YG 111/111K	8 max	8 max	84-88
		YG 112/112K	8 max	8 max	80-84	Neg
		YG 113/113K	8 max	8 max	87-91	Neg
		YG 114/114K	8 max	8 max	76-80	Neg
		YG 115/115K	8 max	8 max	97-103	Neg
Product Line	Product	AV (mg KOH/g)	Color (Gardner)	Softening Point (°C)(R&B)	Taste & Odor	
Polymerized Glycerol Ester for Chewing Gum	YG 212	9 max	10 max	108-114	Neg	
Penta Ester for Chewing Gum	YG 121	8 max	6 max	88-92	Neg	
	YG 122	6 max	8 max	108-114	Neg	
Glycerol Esters for Beverage	YG 113 BG	4-8	8 max	88-92	Neg	

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Dispersions

	Product Line	Dispersion Properties					Dry Properties		Applications
		Product	Solids Content (%)	Viscosity (@ 25°C) (mPa.s)	pH	Particle Size (d50 - nm) (max)	AV (mg KOH/g)	Softening Point (°C)	
Water Borne Tackifiers	Rosin Ester	AQUADHES E 7053	52-54	50-300	6,0-8,0	350	< 15	65-75	Tapes and Labels (Pressure Sensitive Adhesives)
		AQUADHES E 7553	52-54	50-300	6,0-8,0	350	< 50	74-84	
		AQUADHES P 750	53-55	100-800	6,5-7,5	600	< 20	72-82	
	Rosin Acid	AQUADHES A 7552	51-53	70-700	6,5-8,5	400	> 100	58-68	
		AQUADHES AQUARIUS II	51-53	50-500	6,5-8,5	350	< 170	---	
		AQUADHES AQUARIUS III	51-53	100-800	7,0-9,0	350	> 110	54-64	
	Hybrid Resin	AQUADHES H 7953	52-54	50-300	5,5-7,5	350	< 20	72-82	
		AQUADHES H 7959	58-60	300-1000	5,5-7,5	350	< 20	72-82	
		AQUADHES H 8556	55-57	100-700	5,5-7,5	350	< 50	88-98	

Other Products

Product Line	Product	AV (mg KOH/g)	Color (Gardner)	Relative Density	Solids Content (%)	Softening Point (°C)	VOC (PPM)	Viscosity (mPa.s) (Rheometer, 65°C)	Refractive Index (20°C)
Gum Turpentine	Turpentine	2 max	incolor	0,860-0,870					1,4660-1,4750
Rosin Soaps	YS 104 7Na	8-16			69-71				
	YS 301 7Na	8-12			69-71				
	YS 301 8K	8-12			79-81				
Rosin Salts	Capela I		11 max			145-155			
Rosin Blends	YC 821	145-175	10 max			74-90			
	YC 871	70-90	8 max				30 max		
	YB 603	10 max	4 max						
	YB 607	10-20	5 max					5000 - 7000	



Since 1994 EURO-YSER is dedicated to production of Gum Rosin derivatives for a wide range of applications such as Chewing Gum Base, Adhesives, Paints and Varnishes, Rubber, Printing Inks and others.

Today EURO-YSER is present in more than 30 countries directly or through our local Partners.

Our industrial facilities located in Aveiro - Portugal have an area of 15,000 m² and a total manufacturing capacity of 2,500 tons/month of Gum Rosin Derivatives.

Since the beginning of our activity we have been strongly focused on innovation through **Research and Development**, providing products designed to enable flexible formulation options.

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