



RESPOL

RESINAS



ROAD MARKING
Science from Nature

www.respol.pt

Years of experience, knowledge and innovation, along with our customers' expertise and close cooperation, allow us to deliver the best performing solutions to an ever-changing and challenging market.

Our first rosin plant was established in the 1970s. Since then, our focus is the valorization of the forest by developing an intelligent and sustainable bio-economy, transforming bio-based raw materials into high added valued materials. Starting from local crude gum rosin, we have focused on developing and delivering to the market high quality rosin derivatives.

This sustainable strategy was intensified with the acquisition of Forchem Oy, which operates one of the largest and modern bio-refineries in the world. A renewable resource such as crude tall oil offers low carbon footprint solutions for everyday products such as printing inks, adhesives and coatings.

Specific applications

Thermoplastic
Preformed
Anti-skid



ADVANCED PRODUCTION FACILITIES

Respol runs a highly efficient plant with a global production capacity of 50,000 tons/year, having earned ISO 9001, ISO 14001 and OHSAS 18001 certifications.

Our committed and experienced personnel help us keeping quality and safety as our main priorities.

Tackifiers for *thermoplastic road marking*

Product line	PRODUCT	ACID VALUE (mg KOH/g)	SOFTENING POINT (°C)	GARNER COLOUR (50% toluene)	Properties and application recommendations
POLIMELT Tall oil rosin ester	P 88	≤ 10	80-90	≤ 3	Light and stable glycerol rosin ester with medium softening point.
	P 98	≤ 10	95-100	≤ 4	Light and stable pentaerythritol rosin ester. With low odor and excellent stability and compatibility.
	P 102-R	≤ 10	97-104	≤ 4	Light and stable pentaerythritol rosin ester with low odor and excellent stability and compatibility. Shows improved adhesion to glass beads.
	P 115	≤ 10	112-117	≤ 6	Pentaerythritol rosin esters with high softening point and high heat resistance, showing low odor and low volatility. Ideal as binders for thermoplastic road marking formulations.
	P 120	≤ 20	114-120	≤ 6	
TERTAC Modified rosin ester	TT 310	30-45	100-110	≤ 7	High softening point glycerol rosin esters with excellent stability and improved adhesion to glass beads. Ideal as binders for thermoplastic road marking formulations.
	TT N 320	≤ 30	115-125	≤ 7	
	TT 330	≤ 30	125-135	≤ 8	



As we cannot anticipate all conditions under which our products may be used, we accept no responsibility for results obtained by the application of this information or by the use of our products, either used alone or in combination with other products. Users are invited to make their own tests to determine the suitability or the safety of each such

product for their own purposes. With the exception of the above approved specifications, we sell the products without warranty, buyers and users assume all responsibility and liability for loss and damage arising from the handling and use of our products, either used alone or in combination with other products.



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