



Specialty fillers and chemicals Benelux

Principals	Products	Applications
Refnol	saturated, unsaturated	composite, construction
Refnol	polyester resins	automotive, textile industry
Megara Resins	modified rosins and synthetic resins	adhesives, coatings plastics, detergent
Parvus	UV ,flashlight polymerization	flooring, filtration rubber
	Pigments, masterbatches	
Fillers	Calcium carbonate coated precipitated Talcum, mica natural calcined Feldspar diatomite, lignite Attapulgate, Kaolin, water glass ,bleaching aid	



Esserhaag 1
9722 RW Groningen
Netherlands
Tel +31-654-276434
Email info@rogego.nl

Refnol Resins & Chemicals

unsaturated polyester resins

• Resin grade	Base	Type	Description/Application
• BP-1001	BIS		Excellent chemical resistance
• BP-1003	BIS		Powdered Bisphenol resin
• IP-1003	ISO		Good chemical resistance (Appr. Loyd's Register)
• IP-1004	ISO		Hot Press Moulding, SMC & DMC Applications, High reactive
• IP-1005	ISO	P	Good chemical resistance, Tropicalized
• IP-1006	ISO		Pultrusion
• IP-1008	ISO		Hot Press Moulding, SMC Applications, High Reactive
• IP-1019	ISO		Filament Winding, medium Reactive
• IP-1020	ISO-NPG		ISO-NPG resin with good chemical resistance
• IP-1029	ISO		Good chemical resistance
• OP-1001	Ortho		General Purpose, medium reactive
• OP-1004	Ortho		Cultured Marble, Low reactive
• OP-1005	Ortho		High impact resistance, Medium reactive
• OP-1006	Ortho		Cultured Marble, High viscosity, Low reactive
• OP-1007	Ortho		UV Stabilized, Translucent, Sheeting application
• OP-1008	Ortho		Medium reactive, Marine applications
• OP-1010	Ortho		Fire Retardant
• OP-1011	Ortho		General Purpose Tropicalized
• OP-1012	Ortho	P	RTM Application, Low viscosity, low reactive
• OP-1013	Ortho	P	RTM Application, High Viscosity, Low Reactive
• OP-1014	Ortho	-	Low viscous Hot Press Moulding, SMC & DMC Applications, High Reactive

•OP-1016	Ortho	PP	Flexible, Putty Resin
•OP-1017	Ortho	-	High Viscous Hot Press Moulding, SMC & DMC Applications, High Reactive
•OP-1018	Ortho	P	Pre-Accelerated Cultured Marble, High Viscosity, Low Reactive
•OP-1019	Ortho	P	Pre-Accelerated, Low Viscosity, Button & Casting Grade
•OP-1020	Ortho	-	Un-Accelerated, Low Viscosity – Button & Casting Grade
•OP-1027	Ortho	-	Ortho Filament Winding
•TP-1001	Ortho	T	Gelcoat
•TP-1003	ISO-NPG	T	Gelcoat, Good Chemical Resistance, Scratch Resistant (Approved by Lloyd's Register)
•TP-1004	Ortho	T	General Purpose, Tropicalised, Medium Reactive, Pre-Accelerated Thixotropic
•TP-1006	Ortho	P,T,	General Purpose, Tropicalized, Medium Reactive, Pre-accelerated Thixotropic
•VE-1001E	VE	-	Excellent Chemical Resistance
•VE-2001E	VE	-	Excellent Chemical Resistance, High Thermal Resistance
•VE-3001E	VE	-	Brominated Vinyl Ester Resin Excellent Chemical Resistance
•T = Thixotropic	P=Pre-accelerated	PP=Pre-promoted	

Refnol Resins & Chemicals

Textile Sizing chemicals

•Size binders :

•Spun Yarns

•

Filament Yarns

SOFTENERS

LUBRICANTS-RE

BEAMING AIDS

ANTISTICK

AGENTS ETC

SIZING BLENDS

Refnol PE-350	High solids polyester resin size binder in liquid form.
Refnol PE-230	Polyester resin size binder in liquid form
Refnol PE-640	Dry, granular polyester resin size binder
Refnol A-60	Polymeric size binder in liquid form
Indosize HDF	Dry powdered polymeric size binder
PV Size	Dry powdered polymeric size binder
Refnol LC 100	Granular polyester resin for sizing of polyester filament yarn
Refnol LC 30	Polyester resin for sizing of polyester filament yarn in liquid form
Refnol – 52 D	Flake wax – Lubricant cum Softener
refnol – 12	Softener cum lubricant in paste form
Refnol – 56	Softener cum Lubricant- re-beaming aid in paste form
Refnol – 37	Lubricant – particularly for denim sizing in paste form
Refnol – 79	Lubricant/Softener and rewetting agent – Sanforizing agent
Refnol 1905	Lubricant / Afterwax in liquid form
Refnol G – 66	Anti static agent
Refnol Defoamer MD-2	Non-silicon Defoamer
Indosize R	Proprietary high performance sizing blends for the highly demending warp preparation needs of high speed weaving machines, including airjets for cotton, polyester cotton blends, polyester, indigo as well as azoic or naphthol denim warp yarns
Indosize C	
Indosize T	
Indosize DNG	
Indosize AJT	
Indosize AJC	

MODIFIED ROSINS

PRODUCT	COMPOSITION	R&B	ACID NO.	COLOR	APPLICATION
PROCOL 5 G	Glycerol ester	85-100°C	140-160	5 max	Tackifier
PROCOL 7 G-ST	Glycerol ester	85-105°C	130-160	5 max	Non crystalizable tackifier
PROCOL 10 G	Glycerol ester	83-93°C	7 max	5 max	Paints and varnishes
PROCOL 10 PL	Penta ester	97-110°C	15 max	3 max	Tackifier
PROCOL 10 PLD	Disproportionated Penta ester	85-95°C	20 max	3 max	Paints and varnishes
PROCOL 10 PL-ST	Penta ester	92-102°C	10 max	3 max	Tackifier
PROCOL ST	non crystallisable modified rosin	95-100°C	170-180	10 max	Antifouling paints
PROCOL 10 TG	TEG ester	liquid	20 max	5 max	Liquid Tackifier
PROCOL 10 GS	Glycerol ester	85-95°C	7 max	5 max	Chewing gum
PROCOL DC	Disproportionated rosin	75-85°C	160-180	5 max	emulsifier SBR rubber

ROSIN DISPERSIONS

PRODUCT	COMPOSITION	R&B	ACID NO.	VISC	APPLICATION
Megatac RA55	55% solids tackifier dispersion	72-75	100	400-1000 mPas	Tackifier for PSA
Megatac MP80	53% solids rosin-ester dispersion	70-75		400-1000 mPas	Solvent free designed for adhesive applications
GUM TURPENTINE	Grades super, standard, heavy oil	liquid	0.5	2 max	Solvent for synthetic resins, perfumes

MALEIC ROSINS

PRODUCT	COMPOSITION	R&B	ACID NO.	COLOR	APPLICATION
PROCOL 95	Glycerol	100-115°C	25 max	5 max	Nitrocellulose lackers sanding sealers
PROCOL 101	Glycerol	115-122°C	25 max	5 max	Nitrocellulose lackers sanding sealers
PROCOL 103*	Glycerol / penta	122-132°C	25 max	5 max	Nitrocellulose lackers sanding sealers
PROCOL 107	Glycerol	140-150°C	35 max	5 max	Nitrocellulose lackers sanding sealers
PROCOL 110	Glycerol	100-120°C	100-12	5 max	Spirit varnishes
PROCOL 114	Glycerol	140-150°C	125-140	7 max	Spirit varnishes
PROCOL 115	Glycerol	140-150°C	130-150	7 max	Spirit varnishes
PROCOL 116	Glycerol	158-170°C	200-235	8 max	Spirit varnishes
PROCOL 119	Glycerol	133-145°C	205-225	8 max	Spirit and flexographic varnishes

ROSIN PHENOLIC RESINS

PROCOL 10 F	Phenol modified rosin	155-170°C	25 max	8 max	Enamels and varnishes
PROCOL 11 F	Phenol modified rosin	140-155°C	25 max	8 max	Hard oil varnishes
PROCOL 12 F	Phenol modified rosin	115-125°C	20 max	8 max	Oil varnishes
PROCOL 150 PR	Rosin - Phenolic	145-155°C	30 max	8 max	Enamels varnishes and printing inks

ALIPHATIC C5

PRODUCT	COMPOSITION	R&B	ACID NO.	COLOR (Gardner)	MELT VISCOSITY	CLOUD POINT	APPLICATION
					CPS @ 200°C	1:1:2 resin/EVA/wax	
RO AL 100	C5 aliphatic resin	95-105°C	<1	5 max	220 max	90°C max	Tackifier
RO AL 110	C5 aliphatic resin	105-115°C	<1	5 max	430 max	100°C max	Tackifier

ALIPHATIC C5 HYDROGENATED

RO AL 100 H	aliphatic C5 hydrogenated	95-105°C	<1	0 max	250 max		Tackifier
-------------	---------------------------	----------	----	-------	---------	--	-----------

ALIPHATIC AROMATIC C9/C5 HYDROCARBON RESINS

RO ARAL 100	aliphatic aromatic resin	81-90°C	<1	8 max			Tackifier
RO ARAL 110	aliphatic aromatic resin	91-100°C	<1	8 max			Tackifier
RO ARAL 120	aliphatic aromatic resin	101-110°C	<1	8 max			Tackifier

DCPD RESIN

PRODUCT	COMPOSITION	R&B	ACID NO.	COLOR (Gardner)	Bromine no.	Saponification	APPLICATION
RO DC 105	DCPD resin polymerised	95-105°C	0.5 max	6 max	180		Tackifier
RO DC 110	DCPD resin polymerised	95-125°C	0.5 max	6 max	50 min	185 max	Tackifier
RO DC 150	DCPD resin polymerised	145-155°C	0.5 max	6 max	180		Tackifier

AROMATIC C9		R&B	ACID NO.	Color Gardner	
RO ARM 90	aromatic C9	81-90°C	0.5 max	4 max	Tackifier
RO ARM 100	aromatic C9	91-100°C	0.5 max	4 max	Tackifier
RO ARM 110	aromatic C9	101-110°C	0.5 max	4 max	Tackifier
RO ARM 120	aromatic C9	111-120°C	0.5 max	4 max	Tackifier
RO ARM 130	aromatic C9	121-130°C	0.5 max	5 max	Tackifier
RO ARM 140	aromatic C9	131-140°C	0.5 max	8 max	Tackifier
AROMATIC C9 HYDROGENATED		R&B	ACID NO.	Color APHA	hydrogenation
RO AM 100 H	aromatic C9 hydrogenated	97-103°C	0.1 max	30 max	92-95 %
RO AM 125 H	aromatic C9 hydrogenated	122-128°C	0.1 max	30 max	87-90 %
RO AM 140 H	aromatic C9 hydrogenated	137-143°C	0.1 max	30 max	87-90 %
RO AMP 100 H	aromatic C9 hydrogenated	97-103°C	0.1 max	50 max	79-82 %
RO AMP 115 H	aromatic C9 hydrogenated	112-118°C	0.1 max	50 max	79-82 %