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ACTEGA
Coatings & Sealants

www.actega.com

Sachets, Pouches & Bags

Coatings, Heat Seal Lacquer, Inks, Laminating Adhesives and Primer

A member of ALTANA

ACTEGA
Coatings & Sealants

ACTEGA-products for Sachets, Pouches & Bags are characterized by their
- high-class performance, even with demanding fillings (e.g. fillings with a high fat content)
- excellent sterilization resistance
- simple application
- optimum bond strength

Content

Coatings 1/2

Substrate			Product-function	Application Area	Technical Information												Food Contact Regulation***						Product Description	Productname	Company
Paper	Alu	Plastic			Solids [%]	Measuring Method*	Film Weight** [g/m²]	Drying Conditions			Formulation		Application Process		BPA-NI		PVC-NI	MF-NI	FDA		EU	Swiss Ordinance	China	Nestlé approved			
								Recommended PMT / Substrate-temperature [°C]	IR Dryer	Hot Air	Solvent-based (SB)	Water-based (AQ)	Gravure	Flexo					175.105	175.300	10/2011/EC	SR.817.023.21	GB 9685-2008				
●	●		Protective	Interior	35 – 39	1	2,0 – 3,0	116 – 121			●		●		●		●	●	●	●	●	●	●	●	Composite cans with cardboard, Anaconda-winding, opaque	ACTEcoat SC-007	ACTEGA Rhenania
●	●		Protective	Interior	35 – 40	1	2,0 – 3,0	116 – 122			●		●		●		●	●	●	●	●	●	●	●	Colored version of SC-007	ACTEcoat SC-007 series	ACTEGA Rhenania
	●	BoPP, oPP, PP	Protective	Exterior	40 – 50	2	>2,5		●	●		●		●								●		●	Neutral coating	TerraWet Protective Coating G 9/221 M	ACTEGA Terra
●	●	BoPP, oPP, PP	Protective	Exterior	37 – 42	2	3,5 – 5,0		●	●		●		●								●		●	Neutral coating	TerraWet Protective Coating G 9/221 FoodSafe	ACTEGA Terra
	●	BoPP, oPP, PP	Top Coat	Exterior	40 – 45	2	>2,0		●	●		●	●	●					●			●		●	Matt coating for film	TerraWet Matt Coating G 16/281	ACTEGA Terra
	●	BoPP, oPP, PP	Top Coat	Exterior	25 – 30	2	1,0 – 2,0			●		●	●	●								●			Transparent topcoat with good scratch resistance, printable	TerraWet Primer G 16/305	ACTEGA Terra
●	●	BoPP, oPP, PP	Top Coat	Exterior	37 – 42	2	1,0 – 2,0		●	●		●	●	●								●		●	Gloss coating	TerraWet Gloss Coating G 9/230 FoodSafe	ACTEGA Terra
●	●	BoPP, oPP, PP	Top Coat	Exterior	37 – 42	2	1,0 – 2,0			●		●		●								●		●	Gloss coating	TerraWet Gloss Coating G 10/117	ACTEGA Terra
	●	BoPP, oPP, PP	Top Coat	Exterior	25 – 30	2	0,5 – 1,0			●		●	●									●			Transparent topcoat with good scratch resistance	TerraWet Protective Coating G 16/205	ACTEGA Terra

* Measuring methods:
1) After DIN EN ISO 3251 usually measured by 30 min, 180 °C
2) After Sartorius Moisture Analyzer

** Dry, divergent weight possible
*** ● Not directly listed, but in compliance
● Only non-alcoholic food

Coatings 2/2

Substrate			Product-function	Application Area	Technical Information												Food Contact Regulation***						Product Description	Productname	Company
Paper	Alu	Plastic			Solids [%]	Measuring Method*	Film Weight** [g/m²]	Drying Conditions			Formulation		Application Process		BPA-NI		PVC-NI	MF-NI	FDA		EU	Swiss Ordinance	China	Nestlé approved			
								Recommended PMT / Substrate-temperature [°C]	IR Dryer	Hot Air	Solvent-based (SB)	Water-based (AQ)	Gravure	Flexo					175.105	175.300	10/2011/EC	SR.817.023.21	GB 9685-2008				
	●	BoPP, oPP, PP	Heat resistant	Exterior	40 – 45	2	>2,0		●	●		●	●	●								●		●	Matt coating for film, good heat resistance	TerraWet Matt Coating G 16/197	ACTEGA Terra
		BoPP, oPP, PP	Heat resistant	Exterior	37 – 42	2	1,0 – 2,0		●	●		●		●								●		●	Gloss coating with good heat resistance	TerraWet Gloss Coating G 11/125	ACTEGA Terra
●	●	BoPP, oPP, PP	Heat resistant	Exterior	25 – 30	2	1,0 – 2,0			●		●	●	●											Matt coating for film, printable, good heat resistance	Terra Wet Primer G 16/109	ACTEGA Terra
		BoPP, oPP, PP	Heat resistant	Exterior	37 – 42	2	1,0 – 2,0		●	●		●	●	●								●		●	Neutral coating with good heat resistance	TerraWet Heat Resistant Coating G 11/131 Z	ACTEGA Terra
●			Anti-Slip	Exterior	40 – 45	2	1,0 – 2,0			●		●		●											Anti-slip coating	TerraWet Anti-Slip Coating G 11/170 W	ACTEGA Terra
●			Barrier	Exterior	45 – 50	2	5,0 – 10,0			●		●		●					●			●		●	Temporary barrier against water and water vapour	TerraWet Barrier Coating G 11/128 MVTR	ACTEGA Terra
●			Barrier	Exterior	37 – 42	2	1,5 – 5,0		●	●		●	●	●					●			●			Temporary barrier against fat and water	TerraWet Barrier Coating G 16/285	ACTEGA Terra

* Measuring methods:
1) After DIN EN ISO 3251 usually measured by 30 min, 180 °C
2) After Sartorius Moisture Analyzer

** Dry, divergent weight possible
*** ● Not directly listed, but in compliance
● Only non-alcoholic food

Heat Seal Lacquer

Substrate			Sealing Partner						Technical Information								Food Contact Regulation**						Product Description	Productname	Company
Paper	Alu	Plastic	PP	PS	APET	PVC	Itself	Alu	Sealing Temperature [°C]	Formulation		Application Process					FDA		EU	Swiss Ordinance	China	Nestlé approved			
										Solvent-based (SB)	Water-based (AQ)	Gravure	Flexo	BPA-NI	PVC-NI		175.105	175.300	10/2011/EC	SR.817.023.21	GB 9685-2008				
	●	BoPP, oPP, PP	●					●	110		●	●	●	●	●		●	●	●	●	●	●	Heat Seal Coating for Laminates film/paper, alu/film, film/film	TerraWet Heat Seal Coating G 16/150	ACTEGA Terra
●							●		110		●	●	●	●	●		●	●			●	●	Primer with sealing properties	TerraWet Primer G 16/146	ACTEGA Terra

Inks

Substrate		Ink type	Application Area	Technical Information								Food Contact Regulation							Product Description	Productname	Company
Paper	Plastic			Viscosity* [s]	Anilox		Formulation			Application Process		FDA			EU	Swiss Ordinance	China	Nestlé approved			
					Line (BCM)	Process (BCM)	Solvent-based (SB)	Water-based (AQ)	UV-based	Gravure	Flexo	175.105	175.1390	175.300	10/2011/EC	SR.817.023.21	GB 9685-2008				
	PVC, PET-G, PET, PLA, BoPP	Flexographic inks	lamination	15 – 20	3,0	1,5		●			●	●	●						Good adhesion, ideal for lamination applications	Optalam	ACTEGA North America

* 3 millimeter Zahn cup
** ● Only non-alcoholic food

Laminating Adhesives 1/2

Substrate			Food Contact Regulation*			Product Description	Technical Information Adhesive			Technical Information Hardener		Mix Ratio	Formulation		Performance			Film weight***	Nip Station	BPA-NI	Company
Plastic	Alu	Plastic	FDA		EU		Productname	Solids** [%]		Productname	Solids** [%]		Solvent-based (SB)	Solvent-free (SF)	medium	medium - high	high	[g/m²]	[°C]		
			175.105	177.1390	10/2011/EC																
oPP		oPP	●	●	●	No filling resistance in aluminum containing laminates, hardener aromatic (TDI based)	ACTEbond ASB-905	70		HT-020	75	100:15	●		●			2,0 – 5,0	50 – 70	●	ACTEGA Rhenania
PET		PE																			
Paper		PETm																			
PET	Alu	PP	●	●	●	Good filling resistance in aluminum containing laminates, hardener aromatic (TDI based)	ACTEbond ASB-905-S	70		HT-020	75	100:15	●		●			3,5 – 6,0	50 – 70	●	ACTEGA Rhenania
PET	Alu	PE													●						
PETm		PE													●						
PET	Alu	PP	●			Retort applications, good filling resistance in aluminum containing laminates, hardener aliphatic / aromatic based (TDI/HDI based)	ACTEbond ASB-903-Z	70		HT-024-S	60	100:25	●			●		2,5 – 5,0	30 – 80	●	ACTEGA Rhenania
PET	Alu	PE													●						
PET	AlOx (SiOx)	PE														●					
PET	Alu	oPA/PP														●					
PET	Alu	PP	●	●	●	Economic alternative to ASB-203, retort applications, good filling resistance, hardener aliphatic (HDI based)	ACTEbond ASB-920-Z	60		HT-039-S	100	100:12	●				●	2,5 – 5,0	30 – 80	●	ACTEGA Rhenania
PET	Alu	PE														●					
PET	AlOx (SiOx)	PP															●				
PET	Alu	oPA/PP															●				

* For further detailed statements please contact our technical sales experts.
** After DIN EN ISO 3251 measured by 30 min, 180 °C
*** Dry, divergent weight possible

Laminating Adhesives 2/2

Substrate			Food Contact Regulation*			Product Description	Technical Information Adhesive			Technical Information Hardener		Mix Ratio	Formulation		Performance			Film weight***	Nip Station	BPA-NI	Company
Plastic	Alu	Plastic	FDA		EU		Productname	Solids** [%]		Productname	Solids** [%]		Solvent-based (SB)	Solvent-free (SF)	medium	medium - high	high	[g/m²]	[°C]		
			175.105	177.1390	10/2011/EC																
PET	Alu	PP	●	●	●	Retort applications, good filling resistance, thermal and chemical resistance, especially for aluminum containing laminates, Hardener aliphatic (HDI based)	ACTEbond ASB-203	49		HT-038-S	100	100:5	●				●	3,5 – 6,0	30 – 80	●	ACTEGA Rhenania
PET	Alu	PE														●					
PET	AlOx (SiOx)	PP															●				
PET	Alu	oPA/PP															●				
oPA		PE	●	●	●	Non yellowing, Hardener HDI-based	ACTEbond ASF-105	100 (Viscosity: 6000 mPas at 60 °C)		HT-031	100 (Viscosity: 300 mPas at 25 °C)	100:80 (Standard) 100:65 (PA/PE)		●		●		1,5 – 4,0	50 – 70	●	ACTEGA Rhenania
PET		PE																			
PET		PE	●			To a large extend based on renewable raw materials, without aromatic isocyanates, Hardener HDI-based	ACTEbond ASF-600	100 (Viscosity: 2750 mPas at 50 °C)		HT-030	100 (Viscosity: 2500 mPas at 25 °C)	100:45		●		●		1,5 – 4,0	50 – 70	●	ACTEGA Rhenania
			●	●	●	**Colored versions** of corresponding clear adhesives	ACTEbond ASB-203-series ACTEbond ASB-905-series	colorspecific				colorspecific	●		colorspecific					●	ACTEGA Rhenania

* For further detailed statements please contact our technical sales experts.
** After DIN EN ISO 3251 measured by 30 min, 180 °C
*** Dry, divergent weight possible

Primer

Substrate			Technical Information											Food Contact Regulation						Product Description	Productname	Company
Paper	Alu	Plastic	Solids* [%]	Film Weight** [g/m²]	Drying Conditions		Formulation		Application Process		BPA-NI	PVC-NI	MF-NI	FDA		EU	Swiss Ordinance	China	Nestlé approved			
					IR Dryer	Hot Air	Solvent-based (SB)	Water-based (AQ)	Gravure	Flexo				175.105	175.300	10/2011/EC	SR.817.023.21	GB 9685-2008				
	●	BoPP, oPP, PP	25 – 30	1,0 – 2,0		●		●	●	●										Matt pre print primer	TerraWet PrimerG 16/109	ACTEGA Terra
●			40 – 45	3,0 – 6,0		●		●	●	●				●			●		●	Primer with sealing properties to itself	TerraWet Primer G 16/146	ACTEGA Terra
		BoPP, oPP, PP	25 – 30	0,8 – 2,0		●		●	●	●										Transparent pre print primer for critical inks	TerraWet Primer G 16/140	ACTEGA Terra
	●		40 – 45	1,0 – 2,0		●		●	●	●							●		●	Primer for aluminum foil to be printed with NC inks	TerraWet Primer G 16/215	ACTEGA Terra
	●	BoPP, oPP, PP	25 – 30	0,8 – 2,0		●		●	●	●							●			Pre print primer	TerraWet Primer G 16/305	ACTEGA Terra
●	●		34 – 39	1,0 – 2,0	●	●		●		●							●		●	Primer to be coated with UV coatings or for laminations	TerraWet Primer G 9/601 FoodSafe	ACTEGA Terra
●		BoPP, oPP, PP	08 – 12	>0,05 dry		●		●	●											Extrusion primer	TerraWet Primer G 16/145	ACTEGA Terra

* Measured after Sartorius Moisture Analyzer
** Dry, divergent weight possible