COESIVE®
PROESIVE®

Industrie Polieco-MPB

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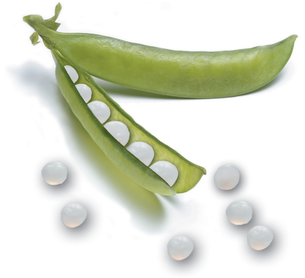

Safe & Sealing Tie-layers

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PRODUCTS CHART

Adhesives in Multilayer Structures (Tie Layers)

Grade	Main base resin	Density*) [g/cm³]	MFR*) (190°/2.16kg), [g/10min]	Melting Point*) [°C]	Vicat Softening Point*) [°C]	MAH content**)	Bonds to	Industrial technology
Multilayer Film								
COESIVE® F30 (t)	LLDPE	0,918	1,2	113	100	High	EVOH PA PE	Blown film Cast film
COESIVE® F90 (t)	LLDPE	0,912	2,7	104	85	High	EVOH PA PE	Blown film Double/Triple bubble
COESIVE® LL21F	LLDPE	0,919	1,7	121	95	Medium	EVOH PA PE	Blown film Multilayer tubes Blow molding
COESIVE® LL21FPA	LLDPE	0,919	1,7	121	95	Low	PA PE	Blown film Multilayer tubes Blow molding
COESIVE® LL36F	LLDPE	0,923	2,5	118	105	Medium	EVOH PA PE	Cast film
COESIVE® LL36FPA	LLDPE	0,924	3,0	118	105	Low	PA PE	Cast film
COESIVE® LL40M	LLDPE	0,907	2,2	112	88	High	EVOH PA PE / PP	Blown film Structures with AF additives
COESIVE® L600F	LLDPE	0,918	2,5	113	100	Medium	EVOH PA PE	Blown film Cast film Thermoforming
COESIVE® L851F	LLDPE	0,916	2,0	121	95	Medium	EVOH PA PE	Blown film Double/Triple bubble
COESIVE® EV0540	EVA, VA 18%	0,939	4,5	85	52	Medium	PET PS PE	Blown film Double/Triple bubble
COESIVE® EV0350	EVA, VA 28%	0,951	3,5	67	40	Medium	PET PS PE	Blown film Double/Triple bubble
PROESIVE® PP70F	PP	0,895	7,5 (230°C/2,16kg)	145	119	Medium	EVOH PA PP	Blown film Cast film
PROESIVE® PP50F	PP	0,885	4,5 (230°C/2,16kg)	144	107	High	EVOH PA PP	Blown film Cast film
Multilayer Plastic Fuel Tanks - PFT								
COESIVE® LL2244FT	LLDPE	0,924	1,0	122	105	Medium	EVOH PA PE	Blow Moulding

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Multilayer pipes								
COESIVE® LL30M	LLDPE	0,913	1,5	113	95	High	EVOH PA PE	PEX/EVOH pipes
COESIVE® LL30K	LLDPE	0,904	1,3	120	69	Medium	Al foil	PEX/Al pipes
PROESIVE® PP80K	PP	0,885	9,0 (230°C/2,16kg)	145	95	Medium	Al foil	PP/Al pipes
PROESIVE® PP50F	PP	0,885	4,5 (230°C/2,16kg)	144	107	High	EVOH PA PP	PP/EVOH pipes PP/PA pipes
Multilayer Laminated Film								
COESIVE® LL80F	LLDPE	0,915	10,0	112	91	Medium	EVOH PA PE	Extrusion Coating
COESIVE® LL80K	LLDPE	0,909	8,5	113	87	Medium	Al foil PE	Extrusion Coating
PROESIVE® PP96PF	PP	0,900	22,0 (230°C/2,16kg)	137	118	Medium	Al foil PP	Extrusion Coating
PROESIVE® PP90C	PP	0,900	20,0 (230°C/2,16kg)	138	118	Medium	Al foil PP	Extrusion Coating
COESIVE® EV0924	EVA, VA 24%	0,945	8,5	76	41	Medium	PET PS PE/PP	Extrusion Coating
COESIVE® EV0928	EVA, VA 28%	0,950	9,0	69	35	Medium	PET PS PE/PP	Extrusion Coating

COESIVE®	Concentrate Grade

**MAH content [%]	Low: < 0,2	Medium: 0,2 – 0,5	High: 0,5 – 1,0	Very high: > 1,0

**)The reported values are typical values and they should not be used for specification purposes.*
The information submitted are based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors to carry out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. The data do not relieve the customer from the necessity to control the resin upon arrival and to complain about faults if presents. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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Compounding (Coupling Agent)

Grade	Main base resin	Density*) [g/cm³]	MFR*) (190°/2.16kg), [g/10min]	Melting Point*) [°C]	Vicat Softening Point*) [°C]	MAH content**)	Bonds to	Industrial technology
Halogen Free Flame Retardant								
COESIVE® F30 (u)	LLDPE	0,918	1,2	113	103	High	$Mg(OH)_2$ $Al(OH)_3$ mineral fillers	Compounding Coupling agent
COESIVE® F50 (u)	LLDPE	0,922	0,7	113	103	High	$Mg(OH)_2$ $Al(OH)_3$ mineral fillers	Compounding Coupling agent
COESIVE® LL15M	LLDPE	0,913	2,0	121	87	Medium	$Mg(OH)_2$ $Al(OH)_3$ mineral fillers	Compounding Coupling agent
COESIVE® EV0540	EVA, VA 18%	0,939	4,5	85	52	Medium	$Mg(OH)_2$ $Al(OH)_3$ mineral fillers	Compounding Coupling agent
COESIVE® EV0350	EVA, VA 28%	0,951	3,5	67	40	Medium	$Mg(OH)_2$ $Al(OH)_3$ mineral fillers	Compounding Coupling agent
PE Compounds								
COESIVE® LL54W	LLDPE	0,923	n.a.	102	88	Very high	Natural Fibers	WPC compound
PP Compounds								
PROESIVE® PP 100.HT	PP heco	0,900	60 (230°C/2,16kg)	160	144	High	Glass Fibers Natural Fibers	Compounding RGF-PP WPC compound
PROESIVE® PP 200	PP raco	0,900	140	136	125	High	Glass Fibers Natural Fibers	Compounding RGF-PP WPC compound
PROESIVE® PP 300	PP homo	0,900	200	163	148	High	Glass Fibers Natural Fibers	Compounding RGF-PP WPC compound
PA Compounds								
COESIVE® C20	POE	0,870	4,0	56	T_g [°C] < -55	High	PA	Coupling agent PA impact modifier
COESIVE® C50	POE	0,875	1,2	58	T_g [°C] < -50	High	PA	Coupling agent PA impact modifier
COESIVE® EP70	EPM	0,868	2,5 (230°C/2,16kg)	n.a.	T_g [°C] < -50	High	PA	Coupling agent PA impact modifier