



SPECIALTY POLYOLEFINS



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RANGE OF ETHYLENE - ACRYLATE TERPOLYMERS

Type	Grades	Acrylate	Comonomer	Specified properties*			Applicative properties					Application examples						
				Acrylic ester content (%)	Comonomer content (%)	Melt index (g/10 min)	Melting point (°C)	Vicat softening Temp. (°C)	Tensile strength at break (MPa)	Elongation at break (%)	Flexural modulus (MPa)	Coating on to aluminium	Coating and lamination with plastic films	Coextrusion	Heat adhesive film and powder	Modification of thermoplastic polymers	Hot melt adhesives	Compounds/additives/coupling agent
Low content	3210	BA	MAH	6	3.1	5	107	76	12	600	120	●	●	●	●	● PA	●	●
	4210	BA	MAH	6.5	3.6	9	105	69	10	650	120	●	●					
	LX4110	EA	MAH	5	3	5	105	78	11	650	140			●		●		●
	6200	EA	MAH	6.5	2.8	40	102	66	6	600	95						●	●
	8200	EA	MAH	6.5	2.8	200	100	57	6	400	40						●	●
	AX8840	O	GMA	0	8	5	106	87	8	400	85					● PET, PBT, alloys		●
Medium content	TX8030	EA	MAH	13	2.8	3	95	65	12	700	130		●	●			●	●
	HX8290	EA	MAH	17	2.8	70	85	<40	6	700	30						●	●
	3410	BA	MAH	17	3.1	5	89	47	8	700	60	●	●	●		● PA		●
	3430	MA	MAH	15	3.1	6	84	45	9	750	14	●	●	●				
High content	5500	EA	MAH	20	2.8	20	80	45	10	700	45						●	●
	4503	MA	MAH	20	0.3	8	80	45	9	750	20	●	●	●				
	4603	MA	MAH	26	0.3	8	65	<40	6	850	9	●	●	●				
	4700	EA	MAH	29	1.3	7	65	<40	5	800	<30					● PA		
	4720	EA	MAH	29	0.3	7	65	<40	5	800	<30					● PA		
	2200	-	MAH	-	-	1.4	87.1	<40	13	765	<20					● PA		
	AX8900	MA	GMA	24	8	6	65	<40	4	1100	<30					● PET, PBT, alloys		●
Test method				FTIR (internal method)	FTIR (internal method)	ASTM D1238	DSC	ASTM D1525	ASTM D638	ASTM D638	ASTM D790							
				-	-	ISO 1133	ISO 11357-01	ISO 306	ISO 527-2	ISO 527-2	ISO 178							

* Datas are average values generated by tests given for information only.

GRAFTED OREVAC®

Type	Grades	Base polymer	Specified properties*			Applications										Adhesion to / Affinity with	
			Melt index (190°C / 2.16 kg)	Melting Point (°C)	Vicat softening Temp. (°C)	Blow moulding	Thermo lamination	Coextrusion tube	Pipe Coating	Cable HFFR compounds	Blow film	Cast film	Sheet	Extrusion Coating			
PE grade	18334	LLDPE	1	125	101	●		●									PE, PA, EVOH
	18360	LLDPE	2	120	87	●		●			●						PE, PA, EVOH, PEX, PERT
	18365	LLDPE	2.5	121	90	●					●	●					PE, PA
	18370	LLDPE	2	119	83							●					PE, PA, EVOH
	OE825	LLDPE	2.5	124	-					●							PE, Glass fiber, EVA, mineral fillers
	18380	LLDPE	4	120	83							●					PE, PA, EVOH
	18211	EVA	3.5	75	51						●		●				PE, PA, EVOH, PS, PET
	18910	LLDPE	1.5	117	77						●		●				PE, PS, EVOH, PA
	IM300	LLDPE	1	109.5	40						●						Impact modifier PA
	18507	HDPE	5	124	-						●						PE, Glass fiber, EVA, mineral fillers
	18340	LLDPE	2.5	118	99						●						PE, Glass fiber, EVA, mineral fillers
18410 / 18410P*	HDPE	3.5	125	110					● 3LPE coating							PE, Epoxy primer	
PP grades***	18729	Homo PP	4.5	162	137	●								●			PP, PA, EVOH
	18722	Random PP	7	143	120						●	●					PP, PA, EVOH
	18750	Homo PP	35	160	121									●			PP, PAA, EVOH, Aluminium
	18751	Homo PP	35	160	138									●			PP, PAA, EVOH, Aluminium
	CA 100	Homo PP	10**	167	147					●							PP / mineral fillers (including HFFR) / glass fiber, bubbles and beds
	18732	Copo PP	8	134	120		●	●	●								PP, PA, EVOH, Aluminium, Epox
Test method			ASTM D1238	DSC	ASTM D1225												
			ISO 1133	ISO 11357-3	ISO 306												

* Powder ** (190°C, 325 g) *** Melt index (230°/2.16 kg)* Powder ** (190°C, 325 g) *** Melt index (230°/2.16 kg)

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