



## ETHYLENE ACRYLATE BASED TERPOLYMERS

A global chemical player, Arkema consists of 3 coherent and related business segments:

- Vinyl Products: Chlorine - Caustic Soda, PVC, Vinyl Compounds, Pipes and Profiles (Alphacan),
- Industrial Chemicals: Acrylics, PMMA and Methacrylics (Altuglas International), Thiochemicals, Fluorochemicals, Hydrogen Peroxide,
- Performance Products: Technical Polymers, Specialty Chemicals (Ceca), Functional Additives, Urea Formaldehyde Resins.

Present in over 40 countries with 17,000 employees, Arkema achieved sales of 5.7 billion euros in 2006.

With its 6 research centers in France, the United States and Japan, and internationally recognized brands, Arkema holds leadership positions in its principal markets.

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**RANGE OF ETHYLENE - ACRYLIC ESTER - MALEIC ANHYDRIDE TERPOLYMERS**

TYPE	Grades	Acrylate	SPECIFIED PROPERTIES*			APPLICATIVE PROPERTIES					APPLICATION EXAMPLES						
			Acrylics ester content (%)	Melt index (g/10 mn)	Maleic anhydride (%)	Melting point (°C)	Vicat temperature (°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	Pipe coating	Modification of thermoplastics polymers	Hot melts adhesives
Low content	3200	B A	6	5	3.1	107	80	12	600	120			●		●	●	
	3210	B A	6	5	3.1	107	76	12	600	120	●	●	●	●		●	
	4210	B A	6.5	9	3.6	105	69	10	650	120	●	●					
	6200	E A	6.5	40	2.8	102	66	6	600	95						●	●
	8200	E A	6.5	200	2.8	100	57	6	400	40						●	●
Medium content	TX 8030	E A	13	3	2.8	95	65	12	700	130		●	●			●	●
	7500	E A	17	70	2.8	85	<40	6	500	30						●	●
	3410	B A	17	5	3.1	89	47	8	700	60	●	●	●		● PA		
	3430	M A	15	6	3.1	84	45	9	750	14	●	●	●		● PA		
High content	5500	E A	20	20	2.8	80	45	10	700	45						●	●
	4403	M A	20	9	0.3	77	45	10	750	20	●	●					
	4503	M A	20	8	0.3	80	45	9	750	20	●	●	●				
	4603	M A	26	8	0.3	62	<40	7	850	9	●	●	●				
	4700	E A	29	7	1.3	65	<40	5	800	<30					● PA		
	4720	E A	29	7	0.3	65	<40	6	800	<30					● PA		



**RANGE OF ETHYLENE - METHYL ACRYLATE - GLYCIDYL METHACRYLATE**

		GMA (%)																
Low content	AX 8840	0	0	5	8	106	87	8	400	85							● Alloys, toners, PET recycling	●
High content	AX 8900	MA	24	6	8	65	<40	4	1100	<30							● PET, PBT, alloys	●
Test method			FTIR	ASTM D 1238	FTIR	DSC	ASTM D 1525	ASTM D 638	ASTM D 638	ASTM D 790								
ISO standard			8985	ISO 1133	8985	11357-01	ISO 306	ISO R 527	ISO R 527	ISO 178								

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