

A woman and a young boy are looking out of a car window. The woman is smiling and has her hand on the boy's shoulder. The boy is also smiling and looking out the window. Outside the window, a large, colorful dragon float is visible, part of a parade. The dragon is red and yellow with intricate patterns. The background is a bright, clear sky.

ARLANXEO

Performance Elastomers

50 YEARS **Keltan®**

EP(D)M AT A GLANCE

Our Chinese Keltan® EPDM plant uses Keltan ACE technology, the most innovative production technology in the industry, resulting in a purer product and a cleaner production process. www.arlanxeo.com

Keltan® Grades Portfolio China

	Viscosity		Monomer content			Other properties			Packaging	
	Test conditions	Setpoint MU g/10 min.	Ethylene content wt. %	Third Monomer		Extender oil		Polymer Structure	Wrapping foil	
				type	content wt. %	content phr	type		Type	Thickness microns
Keltan® 2450	ML(1+4) 125°C	28	48	ENB	4.1			CLCB	LDPE	50
Keltan® 2470E	ML(1+4) 125°C	22	69	ENB	4.2			CLCB	LDPE	50
Keltan® 2650C	ML(1+4) 125°C	25	46	ENB	6.0			CLCB	9% EVA	60
Keltan® 2660	ML(1+4) 125°C	25	60	ENB	6.3			VB	LDPE	50
Keltan® 2750	ML(1+4) 125°C	28	48	ENB	7.8			CLCB	LDPE	50
Keltan® 3050	ML(1+4) 100°C	51	49	-	0.0			N	9% EVA	70
Keltan® 3250	ML(1+4) 125°C	33	55	ENB	2.3			N	9% EVA	70
Keltan® 3470	ML(1+4) 125°C	36	68	ENB	4.6			CLCB	LDPE	50
Keltan® 3960Q	ML(1+8) 100°C	54	56	ENB	11.0			N	LDPE	50
Keltan® 3973	ML(1+4) 125°C	34	66	ENB	9.0	30	Clear	CLCB	LDPE	50
Keltan® 4260C DE	ML(1+4) 125°C	43	55	ENB	2.3			CLCB	LDPE	50
Keltan® 4450	ML(1+4) 125°C	46	52	ENB	4.3			N	LDPE	50
Keltan® 4450S	ML(1+4) 125°C	42	52	ENB	4.3			CLCB	LDPE	50
Keltan® 4465	ML(1+4) 125°C	48	56	ENB	4.1	50	Clear	B	LDPE	50
Keltan® 4577	ML(1+4) 125°C	46	66	ENB	5.1	75	Clear	CLCB	LDPE	50
Keltan® 4869C	ML(1+4) 125°C	48	62	ENB	8.7	100	Clear	CLCB	LDPE	50
Keltan® 5260Q	ML(1+4) 125°C	55	62	ENB	2.3			N	LDPE	50
Keltan® 5467C DE	ML(1+4) 125°C	52	58	ENB	4.5	75	Clear	CLCB	LDPE	50
Keltan® 5465Q	ML(1+8) 150°C	37	64	ENB	4.0	50	Clear	N	LDPE	50
Keltan® 5469C	ML(1+4) 125°C	52	58	ENB	4.5	100	Clear	CLCB	LDPE	50
Keltan® 5469Q	ML(1+8) 150°C	38	59	ENB	4.0	100	Clear	N	LDPE	50
Keltan® 5470C	ML(1+4) 125°C	55	66	ENB	4.6			CLCB	LDPE	50
Keltan® 5470Q	ML(1+4) 125°C	57	67	ENB	4.7			N	LDPE	50
Keltan® 6160D	ML(1+4) 125°C	63	64	DCPD	1.2			M	LDPE	50
Keltan® 6470C	ML(1+4) 125°C	63	64	ENB	4.8			CLCB	LDPE	50
Keltan® 6471	ML(1+4) 125°C	65	67	ENB	4.7	15	Clear	N	LDPE	50
Keltan® 6850Q	ML(1+4) 125°C	60	53	ENB	8.0			N	LDPE	50
Keltan® 6950C	ML(1+4) 125°C	65	44	ENB	9.0			CLCB	9% EVA	60
Keltan® 6951C	ML(1+4) 125°C	63	44	ENB	9.0	15	Clear	CLCB	9% EVA	60
Keltan® 7270Q	ML(1+4) 125°C	72	67	ENB	2.8			N	LDPE	50
Keltan® 7752C	ML(1+8) 150°C	53	45	ENB	7.5	20	Clear	CLCB	9% EVA	60
Keltan® 8550C	ML(1+4) 125°C	80	48	ENB	5.5			CLCB	LDPE	50
Keltan® 8570C	ML(1+4) 125°C	80	66	ENB	5.0			CLCB	LDPE	50
Keltan® 9565Q	ML(1+8) 150°C	67	62	ENB	5.5	50	Clear	N	LDPE	50
Keltan® 9650Q	ML(1+8) 150°C	60	54	ENB	6.5			N	LDPE	50
Keltan® 9950C	ML(1+8) 150°C	60	44	ENB	9.0			CLCB	9% EVA	60
Keltan® 13561C	ML(1+8) 150°C	92	56	ENB	5.5	15	Clear	CLCB	LDPE	50
Keltan® Eco 5470	ML(1+4) 125°C	55	70	ENB	4.6			CLCB	LDPE	50
Keltan® Eco 6950	ML(1+4) 125°C	65	48	ENB	9.0			CLCB	LDPE	50
Keltan® Eco 8550	ML(1+4) 125°C	80	55	ENB	5.5			CLCB	LDPE	50
Keltan® 0500R	190°C / 2.16 kg	11	49	-	0.0			N	-	-
Keltan® 0500RS	190°C / 2.16 kg	6.5	49	-	0.0			N	-	-
Keltan® 1500R	190°C / 2.16 kg	2.55	49	-	0.0			N	-	-

Packaging					
Bale		Box			
Weight kg	Form	Number bales	Weight kg	Supported	Material
25	Standard bales	40	1000	No	Wood & Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	30	750	No	Cardboard
35	Heavy bales	30	1050	No	Cardboard
25	Standard bales	40	1000	No	Wood & Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Quasi friable bales	40	1000	No	Wood & Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	40	1000	No	Wood & Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	40	1000	No	Wood & Cardboard
25	Standard bales	40	1000	No	Wood & Cardboard
25	Standard bales	40	1000	No	Wood & Cardboard
25	Standard bales	40	1000	No	Wood & Cardboard
25	Standard bales	40	1000	No	Wood & Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Friable bales	30	750	Yes	Cardboard
25	Friable bales	30	750	Yes	Cardboard
25	Standard bales	40	1000	No	Wood & Cardboard
25	Quasi friable bales	30	750	No	Cardboard
25	Quasi friable bales	40	1000	No	Wood & Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	30	750	Yes	Cardboard
25	Standard bales	30	750	Yes	Cardboard
25	Standard bales	30	750	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Quasi friable bales	36	900	No	Cardboard
25	Quasi friable bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	36	900	No	Cardboard
25	Standard bales	30	750	Yes	Cardboard
25	Friable bales	30	750	Yes	Cardboard
25	Standard bales	30	750	Yes	Cardboard
25	Standard bales	30	750	Yes	Cardboard
22.7	Standard bales	30	681	Yes	Cardboard
22.7	Standard bales	30	681	Yes	Cardboard
22.7	Standard bales	30	681	Yes	Cardboard

Global Keltan® nomenclature

Mooney viscosity ML(1+4) 125°C MU ENB content weight % Oil content parts hundred rubber
 5 = 50 – 59 MU 4 = 4.0 – 4.9 wt.% 0 = 0 – 10 phr

Keltan® 5470C

Crystallinity

5 = amorphous
 6 = semi crystalline
 7 = crystalline

Suffix

C = ACE™ grade
 Q = Slurry grade
 D = DCPD grade
 L = Low Mooney
 E = Electrical grade
 S = Special grade
 DE = Development

Keltan® reactive extrusion (REX) nomenclature

Mooney viscosity ML(1+4) 125°C MU Grafting level* weight %
 0 = 0 – 10 MU 00 = 0 wt. %

Keltan® 0500R

Crystallinity

5 = amorphous
 6 = semi crystalline
 7 = crystalline

Suffix

R = REX grade
 S = Special grade
 DE = Development grade

- CLCB = Controlled Long Chain Branching
- N = Narrow molecular weight distribution
- M = Medium molecular weight distribution
- B = Broad molecular weight distribution
- VB = Very broad molecular weight distribution
- ENB = Ethylidene norbornene
- DCPD = Dicyclopentadiene

EVERY GRADE COMES WITH FULL TECHNICAL AND COMMERCIAL SUPPORT



■ Keltan® offers a broad range of products for interior as well as exterior automotive applications.

To make sure you get the most out of our products every Keltan® EP(D)M grade comes with the very best technical support and service. We believe in the synergy of all our technical experts around the world. This global brainpower is at your service through our local service teams. With ARLANXEO as your partner in Performance Elastomers you can be certain of fast, reliable and in-depth support, commercially and technically.

We can offer you extensive info packages with detailed data on every grade. For more information you can also visit our 24/7 available online technical service, connect.keltan.com. This critically acclaimed customer information site is now available in Chinese. Please visit keltan.cn for more information.

Our customers in Greater China and the Asian Pacific region now experience the added value of a global partner with a strong local focus.

Your direct contact for further information

Please direct any questions on Keltan® EP(D)M to one of the following addresses, contact your regional sales office or visit our technical online system: www.keltan.com

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Best-in-class technology to deliver premium quality

Keltan® is the brand for all ARLANXEO EP(D)M grades. In 2017, Keltan EPDM is marking its 50th anniversary. This well-established brand is best known for its premium quality and linked to best service, global partnership and sustainable innovation. Keltan has a global footprint with a first-class production facility in every major strategic region. Our world-scale EP(D)M plant in Changzhou (Jiangsu Province) underlines our commitment to the Asian market. The EP(D)M plant has a capacity of 160,000 metric tons per year and is located at the well-established Changzhou Binjiang Economic Development Zone, with access to excellent storage and shipping facilities.

Driven by sustainable innovation our Changzhou plant uses Keltan ACE™ technology to produce consistent high quality grades. Keltan ACE™ is commonly accepted as best-in-class technology and allows intrinsically gel-free EP(D)M production. The process enables the manufacture of a broad range of EP(D)M rubber grades including oil-extended EP(D)M, high ENB and special high molecular weight EP(D)M.

The plant produces in total ten premium grades of EP(D)M tailored to Asian customer needs.



■ Keltan® Production site Changzhou



Trial product:

(DE = Development product = trial product). The information contained herein is merely preliminary. Testing as to properties and applications is not final. Further information, including data which could change or add hazards with use, may be developed by the manufacturer, the user or a third-party institute. Such information may be needed to properly evaluate or use this product. Use is undertaken at the sole risk of the user.

Quality & Environmental Management:

Keltan® is produced under strict control regarding safety, environmental protection and quality. The whole supply chain, from production to customer service, is covered by ISO 9001 and ISO 14001 certification.

Product Safety:

Relevant safety data and references as well as the possibly necessary warning labels are to be found in the corresponding safety data sheets.

Health and Safety Information:

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the ARLANXEO products mentioned in this publication. For materials mentioned which are not ARLANXEO products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. Consult us through your ARLANXEO representative or the Health, Safety, Environment and Quality Department (HSEQ) of ARLANXEO.

Regulatory Compliance Information:

Some of the end uses of the products described in this publication must comply with applicable regulations, such as the FDA, BfR, NSF, USDA and CPSC. If you have any questions on the regulatory status of these products, contact your ARLANXEO representative.

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The logo consists of the word 'ARLANXEO' in a bold, blue, sans-serif font. The 'E' is stylized with a red horizontal bar through its middle.

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