



ARLANXEO

Performance Elastomers

50 YEARS **Keltan**[®]

EP(D)M AT A GLANCE

Keltan's unique 5-digit grade 13561C is a semi-crystalline EPDM grade with a very high Mooney viscosity for demanding rubber applications, which reduces compound costs and improves mechanical properties. It is the material of choice for automotive designers around the world.

www.arlanxeo.com

Keltan® Grades Portfolio APAC

	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® 2470S	ML(1+4) 125°C	25	69	ENB	4.2			CLCB	LDPE	50
Keltan® 2650	ML(1+4) 125°C	25	53	ENB	6.0			CLCB	9% EVA	60
Keltan® 2650C	ML(1+4) 125°C	25	46	ENB	6.0			CLCB	9% EVA	60
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® 4460D	ML(1+4) 125°C	46	58	DCPD	4.5			B	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® 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® 7470Q	ML(1+4) 125°C	70	67	ENB	4.7			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	Quasi friable bales	40	1000	No	Wood & Cardboard
25	Standard bales	40	1000	No	Wood & Cardboard
25	Standard bales	30	750	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	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	Friable bales	30	750	Yes	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
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 5 = 50 - 59 MU
 ENB content weight % 4 = 4.0 - 4.9 wt. %
 Oil content parts hundred rubber 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 0 = 0 - 10 MU
 Grafting level* weight % 00 = 0 wt. %

Keltan® 0500R

Crystallinity

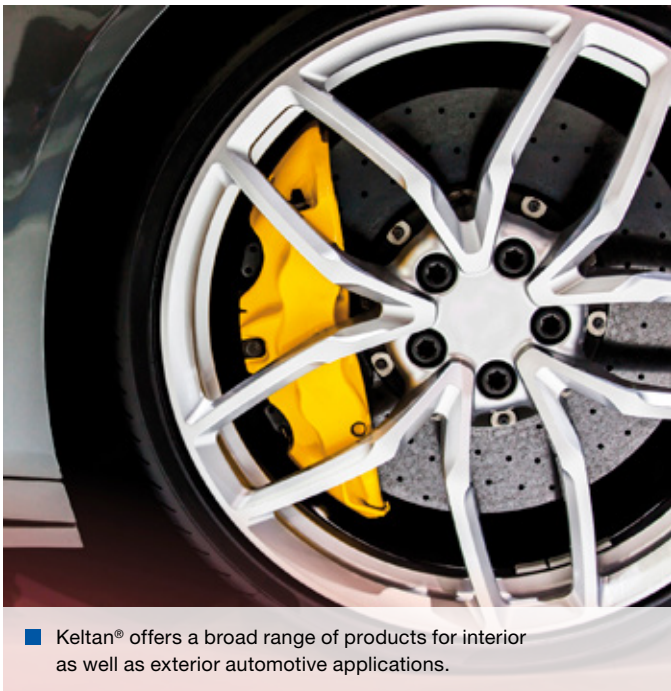
5 = amorphous
 6 = semi crystalline
 7 = crystalline

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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Go bio-based with Keltan® Eco

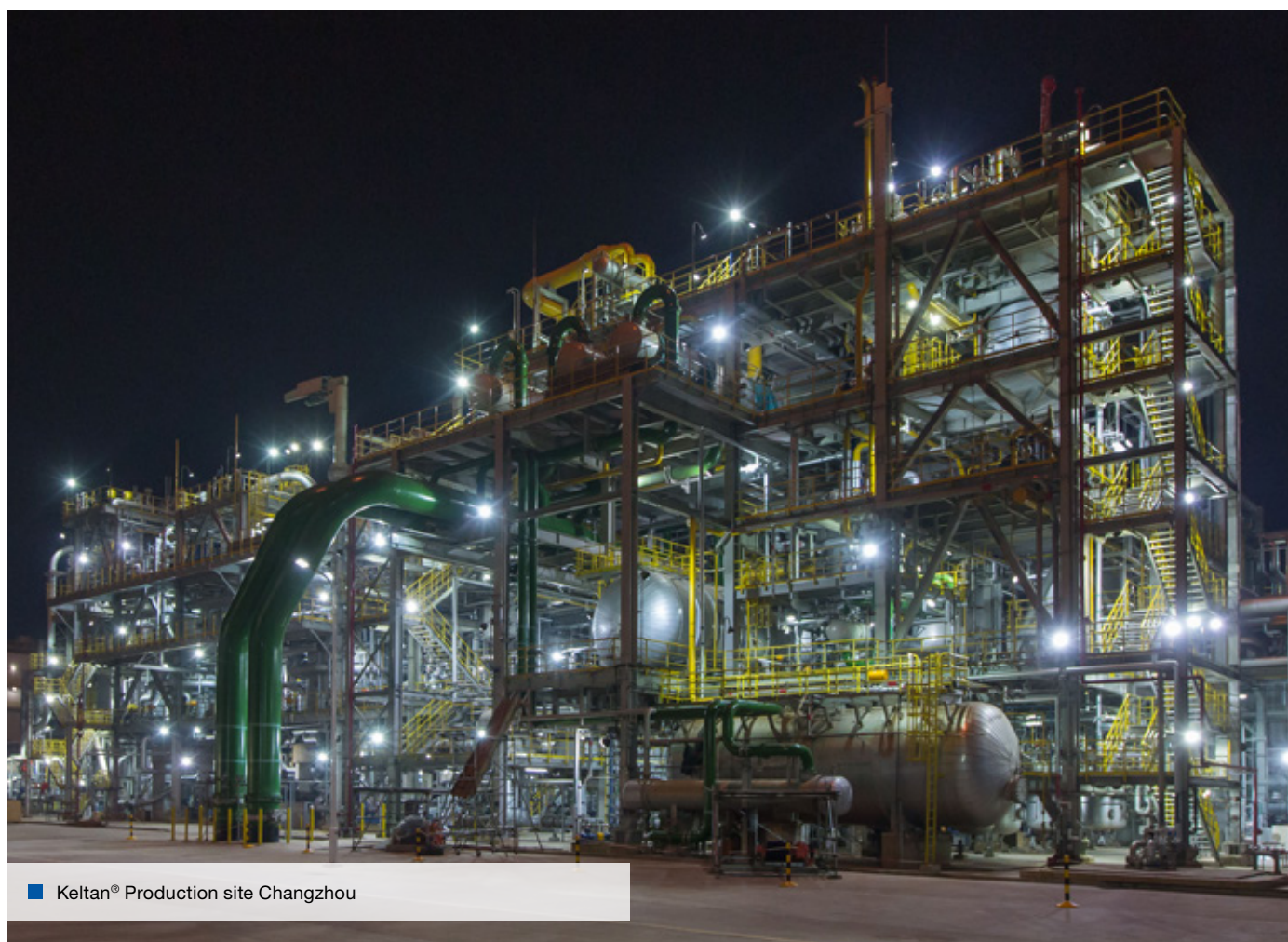
Keltan® is the brand for all ARLANXEO EP(D)M grades. In 2017, Keltan EPDM marked its 50th anniversary. This well-established brand is best known for its premium quality and linked to best service, global partnership and sustainable innovation. Driven by sustainable innovation we developed Keltan® Eco, the world's first commercial EPDM produced in Brazil from bio-based feedstock. The ethylene used in this process is derived from ethanol produced from sugarcane.

Benefits of Keltan® Eco include:

- Bio-based content up to 70%, which can be validated by ASTM D6866 Carbon-14 test
- Uncompromised quality
- Reduced dependence on fossil resources
- Reduced carbon footprint

The Keltan® Eco grades have exactly the same specifications as their conventional counterparts, they are “drop-in” equivalents with one important difference: up to 70% of the content is bio-based! Thus, they offer an environmentally friendly alternative for any type of EPDM application.

Today these new bio-based EPDM grades are commercially applied in applications, such as low-weight, micro-porous automotive solid seals, recyclable TPVs, the official soccer World Cup match ball, flooring and window seals.



■ 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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Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale, which can be found at the ARLANXEO homepage. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information.

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ARLANXEO
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