

A young girl with dark hair in pigtails, wearing a grey shirt, is smiling broadly and resting her chin on her hands. She is sitting in a car, with the interior visible in the background.

ARLANXEO

Performance Elastomers

EP(D)M AT A GLANCE

Keltan's 5-digit high Mooney EPDM platform is now available in a broad range of composition 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 product designers around the world.

www.arlanxeo.com

Go bio-based with Keltan® Eco

Keltan® is the brand for all ARLANXEO EP(D)M grades. 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.

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® 5470 C

Crystallinity
5 = amorphous
6 = semi crystalline
7 = crystalline

Suffix
C = ACE™ grade
D = DCPD grade
S = Special grade
DE = Development

**Mooney viscosity
ML(1+4) 125°C MU**
13 = 130 - 139 ME

Keltan® 13561 C

Keltan® reactive extrusion (REX) nomenclature

**Mooney viscosity
ML(1+4) 125°C MU**
0 = 0 - 10 MU

**Grafting level*
weight %**
00 = 0 wt. %

Keltan® 0500 R

Crystallinity
5 = amorphous
6 = semi crystalline
7 = crystalline

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

KELTAN®

CHARACTERISTICS AND PACKAGING

Keltan® Grades Portfolio APAC

Grade name	Viscosity			Monomer content			Other properties		
	Test conditions	Setpoint		Ethylene content wt. %	Third Monomer		Extender oil		Polymer Structure
		MU	g/10 min		type –	content wt. %	content phr	type	
Keltan® 2450	ML(1+4) 125°C	28	–	48	ENB	4.1	–	–	CLCB
Keltan® 2470C	ML(1+4) 125°C	22	–	71	ENB	4.5	–	–	CLCB
Keltan® 2470E	ML(1+4) 125°C	22	–	69	ENB	4.2	–	–	CLCB
Keltan® 2470S	ML(1+4) 125°C	25	–	69	ENB	4.2	–	–	CLCB
Keltan® 2650	ML(1+4) 125°C	25	–	53	ENB	6.0	–	–	CLCB
Keltan® 2650C	ML(1+4) 125°C	25	–	46	ENB	6.0	–	–	CLCB
Keltan® 2750	ML(1+4) 125°C	28	–	48	ENB	7.8	–	–	CLCB
Keltan® 3050	ML(1+4) 100°C	51	–	49	-	0.0	–	–	N
Keltan® 3250	ML(1+4) 125°C	33	–	55	ENB	2.3	–	–	N
Keltan® 3470	ML(1+4) 125°C	36	–	68	ENB	4.6	–	–	CLCB
Keltan® 3960	ML(1+8) 100°C	54	–	56	ENB	11.0	–	–	M
Keltan® 3973	ML(1+4) 125°C	34	–	66	ENB	9.0	30	Clear	CLCB
Keltan® 4260C	ML(1+4) 125°C	43	–	55	ENB	2.3	–	–	CLCB
Keltan® 4450	ML(1+4) 125°C	46	–	52	ENB	4.3	–	–	N
Keltan® 4450S	ML(1+4) 125°C	42	–	52	ENB	4.3	–	–	CLCB
Keltan® 4460D	ML(1+4) 125°C	46	–	58	DCPD	4.5	–	–	B
Keltan® 4465	ML(1+4) 125°C	48	–	56	ENB	4.1	50	Clear	B
Keltan® 4577	ML(1+4) 125°C	46	–	66	ENB	5.1	75	Clear	CLCB
Keltan® 4869C	ML(1+4) 125°C	48	–	62	ENB	8.7	100	Clear	CLCB
Keltan® 5170	ML(1+4) 125°C	59	–	71	ENB	1.5	–	–	N
Keltan® 5260	ML(1+4) 125°C	55	–	62	ENB	2.3	–	–	N
Keltan® 5465	ML(1+8) 150°C	37	–	64	ENB	4.0	50	Clear	N
Keltan® 5467C	ML(1+4) 125°C	52	–	58	ENB	4.5	75	Clear	CLCB
Keltan® 5469C	ML(1+4) 125°C	52	–	58	ENB	4.5	100	Clear	CLCB
Keltan® 5470C	ML(1+4) 125°C	55	–	66	ENB	4.6	–	–	CLCB
Keltan® 6160D	ML(1+4) 125°C	63	–	64	DCPD	1.2	–	–	M
Keltan® 6470C	ML(1+4) 125°C	63	–	64	ENB	4.8	–	–	CLCB
Keltan® 6471	ML(1+4) 125°C	65	–	67	ENB	4.7	15	Clear	N
Keltan® 6950C	ML(1+4) 125°C	65	–	44	ENB	9.0	–	–	CLCB
Keltan® 6951C	ML(1+4) 125°C	63	–	44	ENB	9.0	15	Clear	CLCB
Keltan® 7752C	ML(1+8) 150°C	53	–	45	ENB	7.5	20	Clear	CLCB
Keltan® 8550C	ML(1+4) 125°C	80	–	48	ENB	5.5	–	–	CLCB
Keltan® 8570C	ML(1+4) 125°C	80	–	66	ENB	5.0	–	–	CLCB
Keltan® 9650C	ML(1+8) 150°C	60	–	51	ENB	6.5	–	–	N
Keltan® 9950C	ML(1+8) 150°C	60	–	44	ENB	9.0	–	–	CLCB
Keltan® 10660C	ML(1+8) 150°C	66	–	56	ENB	6.5	–	–	CLCB
Keltan® 10675C	ML(1+8) 150°C	67	–	65	ENB	6.0	50	Clear	CLCB
Keltan® 13561C	ML(1+8) 150°C	92	–	56	ENB	5.5	15	Clear	CLCB
Keltan® 10950C	ML(1+8) 150°C	66	–	52	ENB	9.0	–	–	CLCB
Keltan® 13951C DE	ML(1+8) 150°C	92	–	44	ENB	9.0	15	Clear	CLCB
Keltan® Eco 5470	ML(1+4) 125°C	55	–	70	ENB	4.6	–	–	CLCB
Keltan® Eco 6950	ML(1+4) 125°C	65	–	48	ENB	9.0	–	–	CLCB
Keltan® Eco 8550	ML(1+4) 125°C	80	–	55	ENB	5.5	–	–	CLCB
Keltan® 0500R	190°C / 2.16 kg	–	11	49	–	0.0	–	–	N
Keltan® 1500R	190°C / 2.16 kg	–	2.55	49	–	0.0	–	–	N

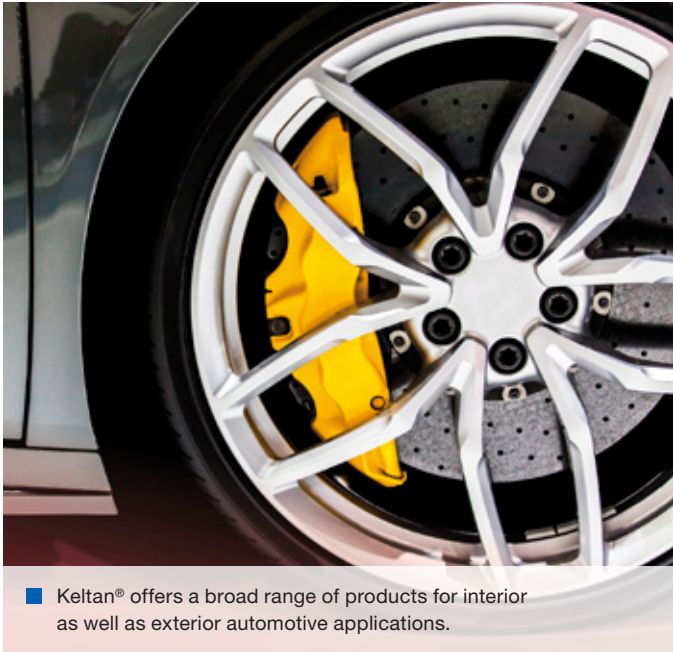
CLCB = Controlled Long Chain Branching
N = Narrow molecular weight distribution

M = Medium molecular weight distribution
B = Broad molecular weight distribution

ENB = Ethylidene norbornene
DCPD = Dicyclopentadiene

Packaging								
Wrapping foil			Bale		Box			
Type	Color	Thickness microns	Weight kg	Form	Number bales	Weight kg	Supported	Material
LDPE	Transparent	50	25	Standard bales	40	1000	No	Wood & Cardboard
LDPE	Transparent	60	25	Standard bales	30	750	No	Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Quasi friable bales	40	1000	No	Wood & Cardboard
9% EVA	Transparent	60	25	Standard bales	40	1000	No	Wood & Cardboard
9% EVA	Transparent	60	25	Standard bales	30	750	No	Cardboard
LDPE	Transparent	50	25	Standard bales	40	1000	No	Wood & Cardboard
9% EVA	Transparent	70	25	Standard bales	36	900	No	Cardboard
9% EVA	Transparent	70	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Quasi friable bales	40	1000	No	Wood & Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Standard bales	40	1000	No	Wood & Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Standard bales	40	1000	No	Wood & Cardboard
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LDPE	Transparent	50	25	Standard bales	40	1000	No	Wood & Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Friable bales	30	750	Yes	Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Friable bales	30	750	Yes	Cardboard
LDPE	Transparent	50	25	Standard bales	40	1000	No	Wood & Cardboard
LDPE	Transparent	50	25	Quasi friable bales	30	750	No	Cardboard
LDPE	Transparent	50	25	Quasi friable bales	40	1000	No	Wood & Cardboard
9% EVA	Transparent	60	25	Standard bales	30	750	Yes	Cardboard
9% EVA	Transparent	60	25	Standard bales	30	750	Yes	Cardboard
9% EVA	Transparent	60	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Quasi friable bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Standard bales	36	900	No	Cardboard
LDPE	Transparent	50	25	Standard bales	30	750	Yes	Cardboard
9% EVA	Transparent	60	25	Standard bales	30	750	Yes	Cardboard
9% EVA	Transparent	60	25	Standard bales	30	750	Yes	Cardboard
LDPE	Transparent	50	25	Standard bales	30	750	Yes	Cardboard
9% EVA	Transparent	50	25	Standard bales	30	750	Yes	Cardboard
–	–	–	22,7	Standard bales	30	681	Yes	Cardboard
–	–	–	22,7	Standard bales	30	681	Yes	Cardboard

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 webpage www.arlanxeo.com.

Your direct contact for further information

Please direct any questions on **Keltan® EP(D)M** to our webpage www.arlanxeo.com, or contact your regional sales office.



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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.

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.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control.

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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