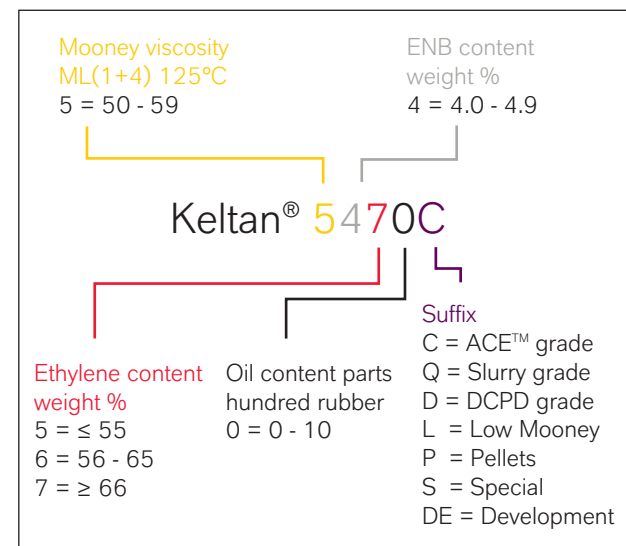
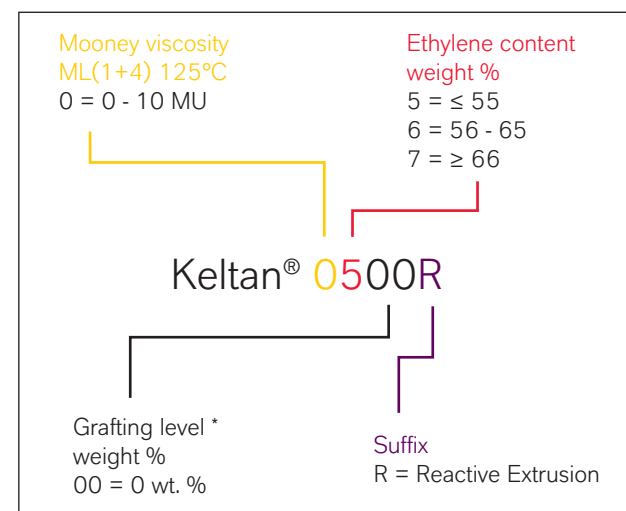


Global Keltan® nomenclature



Keltan® Reactive Extrusion (REX) nomenclature



* Grafting of the EP(D)M polymer with Maleic Anhydride is possible.
The grafting level in weight % is indicated by the last two digits.

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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LANXESS
Energizing Chemistry

EP(D)M at a glance:
Grades, Characteristics, Packaging

The brand for all **LANXESS EP(D)M grades**

X Keltan®

Edition 2014-11 EMEA

Go bio-based with Keltan® Eco

Keltan® Eco is the world's first commercial EPDM produced 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

LANXESS' **Keltan®** Elastomers business is now pleased to add five new grades to the **Keltan®** Eco portfolio. With exactly the same specifications as their conventional counterparts, the **Keltan®** Eco products 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.

Keltan® Eco grades include:

Keltan® Eco 3050

Keltan® Eco 5470

Keltan® Eco 6950

Keltan® Eco 8550

Keltan® Eco 9950

Keltan® Eco 0500R

■ **Keltan®** Eco is based on sugarcane

The **Keltan®** portfolio consists of a broad range of global grades with a diversity of properties that offer freedom in recipe formulations, product design and processing windows. This, in turn, allows our customers to optimize between product performance and cost efficiency.

Characteristics and Packaging

Keltan® Grade	Viscosity		Monomer Content			Other Properties		Packaging								
	Test Conditions	Values MU g/10 min.	Ethylene Content wt. %	Third Monomer Type -	Content wt. %	Oil Content phr	Polymer structure	Wrapping Foil Type	Color	Thickness Microns	Bale Weight kg	Form	Number of Bales	Weight kg	Box Supported	Material
Keltan® 2070P	ML(1+4) 125°C	25	73	-			M	-	-	-	-	pellets	-	450	No	Wood & Cardboard
Keltan® 2450	ML(1+4) 125°C	28	48	ENB	4,1		N	LDPE	Transp.	60	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 2450S	ML(1+4) 125°C	24	51	ENB	4,3		CLCB	LDPE	Transp.	60	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 2470	ML(1+4) 125°C	24	69	ENB	4,2		N	LDPE	Transp.	60	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 2470L	ML(1+4) 125°C	22	69	ENB	4,2		CLCB	LDPE	Transp.	60	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 2650	ML(1+4) 125°C	25	53	ENB	6,0		CLCB	EVA	Transp.	50	25,0	standard	40	1000	No	Wood & Cardboard
Keltan® 2750	ML(1+4) 125°C	28	48	ENB	7,8		N	LDPE	Transp.	60	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 3050	ML(1+4) 100°C	51	49	-			N	EVA	Transp.	70	25,0	standard	36	900	No	Cardboard
Keltan® 3250Q	ML(1+4) 125°C	33	55	ENB	2,3		N	LDPE	Transp.	50	25,0	standard	36	900	No	Cardboard
Keltan® 3470	ML(1+4) 125°C	36	68	ENB	4,6		M	LDPE	Transp.	60	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 3960Q	ML(1+8) 100°C	54	56	ENB	11,0		N	LDPE	Transp.	50	34,0	heavy	30	1020	No	Cardboard
Keltan® 3973	ML(1+4) 125°C	34	66	ENB	9,0	30	N	LDPE	Black	100	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 4450	ML(1+4) 125°C	46	52	ENB	4,3		N	LDPE	Transp.	60	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 4450S	ML(1+4) 125°C	42	52	ENB	4,3		CLCB	LDPE	Transp.	60	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 4455	ML(1+4) 125°C	46	55	ENB	4,3	50	M	LDPE	Black	100	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 4460D	ML(1+4) 125°C	46	58	DCPD	4,5		B	LPDE	Transp.	50	25,0	standard	40	1000	No	Wood & Cardboard
Keltan® 4465	ML(1+4) 125°C	48	56	ENB	4,1	50 *)	B	LPDE	Transp.	50	25,0	standard	40	1000	No	Wood & Cardboard
Keltan® 4577	ML(1+4) 125°C	46	66	ENB	5,1	75	N	LDPE	Black	100	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 4869	ML(1+4) 125°C	48	64	ENB	8,7	100 *)	CLCB	LDPE	Transp.	50	25,0	standard	40	1000	No	Wood & Cardboard
Keltan® 4869C DE	ML(1+4) 125°C	48	62	ENB	8,7	100 *)	CLCB	LDPE	Transp.	50	25,0	standard	36	900	No	Cardboard
Keltan® 5170P	ML(1+4) 125°C	59	71	ENB	1,5		N	-	-	-	-	pellets	-	450	No	Wood & Cardboard
Keltan® 5260Q	ML(1+4) 125°C	55	62	ENB	2,3		N	LDPE	Transp.	50	25,0	standard	36	900	No	Cardboard
Keltan® 5465Q	ML(1+8) 150°C	37	64	ENB	4,0	50 *)	N	LDPE	Transp.	50	25,0	standard	36	900	No	Cardboard
Keltan® 5469	ML(1+4) 125°C	52	63	ENB	4,5	100 *)	CLCB	LDPE	Transp.	50	25,0	standard	40	1000	No	Wood & Cardboard
Keltan® 5469Q	ML(1+8) 150°C	38	59	ENB	4,0	100 *)	N	LDPE	Transp.	50	25,0	standard	36	900	No	Cardboard
Keltan® 5470C	ML(1+4) 125°C	55	66	ENB	4,6		CLCB	LDPE	Transp.	50	25,0	friable	30	750	Yes	Wood & Cardboard
Keltan® 5470P	ML(1+4) 125°C	55	70	ENB	4,6		N	-	-	-	-	pellets	-	450	No	Wood & Cardboard
Keltan® 5470Q	ML(1+4) 125°C	57	67	ENB	4,7		N	LDPE	Transp.	50	25,0	friable	30	750	Yes	Cardboard
Keltan® 6160D	ML(1+4) 125°C	63	64	DCPD	1,2		M	LDPE	Transp.	50	25,0	standard	40	1000	No	Wood & Cardboard
Keltan® 6260Q DE	ML(1+4) 125°C	67	65	ENB	2,8		N	LDPE	Transp.	50	25,0	friable	30	750	Yes	Cardboard
Keltan® 6460D	ML(1+4) 125°C	63	58	DCPD	4,5		VB	LDPE	Transp.	50	25,0	quasi friable	40	1000	No	Wood & Cardboard
Keltan® 6471	ML(1+4) 125°C	65	67	ENB	4,7	15 *)	N	LDPE	Transp.	50	25,0	quasi friable	40	1000	No	Wood & Cardboard
Keltan® 6750	ML(1+4) 125°C	60	51	ENB	7,7		M	LDPE	Transp.	60	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 6950C	ML(1+4) 125°C	65	44	ENB	9,0		CLCB	EVA	Transp.	50	25,0	standard	30	750	Yes	Cardboard
Keltan® 6951C	ML(1+4) 125°C	63	44	ENB	9,0	15 *)	CLCB	EVA	Transp.	50	25,0	standard	30	750	Yes	Cardboard
Keltan® 7450	ML(1+4) 125°C	76	53	ENB	4,3		N	LDPE	Transp.	50	25,0	standard	35	875	No	Wood & Cardboard
Keltan® 7752C	ML(1+8) 150°C	53	45	ENB	7,5	20 *)	CLCB	EVA	Transp.	50	25,0	standard	36	900	No	Cardboard
Keltan® 8550	ML(1+4) 125°C	80	55	ENB	5,5		CLCB	LDPE	Transp.	60	25,0	quasi friable	35/40	875/1000	No	Wood & Cardboard
Keltan® 8550C	ML(1+4) 125°C	80	48	ENB	5,5		CLCB	LDPE	Transp.	50	25,0	quasi friable	36	900	No	Cardboard
Keltan® 8570	ML(1+4) 125°C	80	70	ENB	5,0		CLCB	LDPE	Transp.	50	25,0	quasi friable	40	1000	No	Wood & Cardboard
Keltan® 8570C	ML(1+4) 125°C	80	66	ENB	5,0		CLCB	LDPE	Transp.	50	25,0	quasi friable	36	900	No	Cardboard
Keltan® 9565Q	ML(1+8) 150°C	67	62	ENB	5,5	50 *)	N	LDPE	Transp.	50	25,0	standard	36	900	No	Cardboard
Keltan® 9650Q	ML(1+8) 150°C	60	54	ENB	6,5		N	LDPE	Transp.	50	25,0	standard	36	900	No	Cardboard
Keltan® 9950C	ML(1+8) 150°C	60	44	ENB	9,0		CLCB	EVA	Transp.	50	25,0	standard	30	750	Yes	Cardboard
Keltan® 0500R	MFI 190°C/2.16 kg	11,0	49	-			N	-	-	-	22,7	standard	30	681	Yes	Cardboard
Keltan® 1500R	MFI 190°C/2.16 kg	2,55	49	-			N	-	-	-	22,7	standard	30	681	Yes	Cardboard

*) Clear / colourless oil
ENB = Ethylidene norbornene
DCPD = Dicyclopentadiene

CLCB = Controlled Long Chain Branching
VB = Very broad molecular weight distribution

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

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 LANXESS products mentioned in this publication. For materials mentioned which are not LANXESS 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 your LANXESS representative in Germany or contact the Health, Safety, Environment and Quality Department (HSEQ) of LANXESS Germany or - for business in the USA - the LANXESS Product Safety and Regulatory Affairs Department in Pittsburgh, PA.

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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 LANXESS Corporation representative, the LANXESS Regulatory Affairs Manager in Pittsburgh, PA or the Health, Safety, Environment and Quality Department (HSEQ) of LANXESS Germany. 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. 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. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

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