Katon®

Standard Product Typical Physical Properties and References

Product Selector Guide

Katon® Standard FFKM Grades – Overview

This table provides an overview of the standard FFKM (perfluoroelastomer) grades offered by Katon®, along with their typical physical properties and reference applications and compounds.

Katon® Grade	Color	Service Temperature		Shore A Hardness	ISO 37 ASTM D412		ISO 815-1 ASTM D395		Note	Reference
		Lowest	Maximum		Tensile Strength Mpa	Elongation @Break %	C-Set 70 hrs @200°C	C-Set 70 hrs @290°C		
Katon® 7175B	Black	-10°C (14°F)	230°C (446°F)	75	22.1	153	16	-	Universal FDA Approved	Kalrez® LS222 / CP222 / MS220 Chemraz® 505 / 541 FLUORITZ™ SB
Katon® 7175W	White	-10°C (14°F)	230°C (446°F)	75	22.6	160	16	-	Universal FDA Approved	Kalrez® LS205 Chemraz® 513 / SD517 / SD585 Simriz® 486
Katon® 7175C	Off-White	-10°C (14°F)	230°C (446°F)	78	12.2	169	24	-	Semiconductor Low out-gassing	Kalrez® 6380 / 8085 / 2037 Chemraz® 584 / 585
Katon® 7275B	Black	-10°C (14°F)	260°C (500°F)	75	22.3	158	18	-		Kalrez® 6230 Chemraz® SD625 Simriz® 481
Katon® 7275W	White	-10°C (14°F)	260°C (500°F)	75	17.8	140	19	-		Kalrez® 6221 Chemraz® E38 Perlast® G74S / G76W
Katon® 7275C	Translucent Yellow	-10°C (14°F)	260°C (500°F)	73	18.5	163	19	-	Semiconductor Low out-gassing	Chemraz® 629 / 639
Katon® 7975B	Black	-10°C (14°F)	230°C (446°F)	78	18.6	150	18	-	For Harsh Extreme Chemical	Kalrez® 6380 ERIKS 92410A FST 75 FFKM Z7257 Pororoca 875B

Note:
All data provided are typical values and should not be used as specification limits.
Performance may vary depending on the specific application, service conditions, and chemical environment.

Users are strongly advised to conduct appropriate validation testing prior to actual use.
Katon® assumes no responsibility for product misuse or misapplication.

For material selection assistance or technical support, please contact our team at **tech@katonseal.com**

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Katon® Grade	Color	Service Temperature		Shore A Hardness	ISO 37 ASTM D412		ISO 815-1 ASTM D395		Note	Reference
		Lowest	Maximum		Tensile Strength Mpa	Elongation @Break %	C-Set 70 hrs @200°C	C-Set 70 hrs @290°C		
Katon® 7990B	Black	-10°C (14°F)	230°C (446°F)	93	*16.5	103	13	-	For Harsh Extreme Chemical *Modulus@ 50% Elongation	Kalrez® 0090 / OG193 Chemraz® 526 Perlast® G92E
Katon® 8075B	Black	-10°C (14°F)	290°C (554°F)	75	17.1	156	15	42	FDA Approved	Kalrez® 6375 / 1050LF / 7375 FLUORITZ™ HS
Katon® 8075W	White	-10°C (14°F)	290°C (554°F)	75	17.4	158	16	45	FDA Approved	Kalrez® 8475 / 8575 Perlast® G75W
Katon® 8175C	Umber	-10°C (14°F)	290°C (554°F)	77	16.8	188	19	48	Semiconductor Low out-gassing	Kalrez® 9100 / 8085 / 4001 Perlast® G67P / G74P
Katon® 9175C	Dark Amber	-10°C (14°F)	317°C (602°F)	72	24.4	155	15	19	Semiconductor Low out-gassing	Kalrez® 9500 / 7275 Chemraz® XRZ
Katon® 9080B	Black	-10°C (14°F)	317°C (602°F)	80	20	153	-	21.2		Kalrez® 4079 Chemraz® 551 / 555 / 694 Perlast® G75B
Katon® 9075W	Beige	-10°C (14°F)	317°C (602°F)	75	18.6	150	-	28.8		Perlast® G75H / G75S

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