

## Polymax P260W8FDA

FFKM / Perfluoroelastomer

FFKM combines properties from PTFE and FKM to make a fully fluorinated polymer. FFKM O-rings can withstand high temperatures, corrosive chemicals and are used in some of the most critical applications. FFKM is a highly durable material that provides a long service life in tough environments. There are many variations of FFKM compound O-rings, with tradenames such as Kalrez®, Chemraz®, Isolast® and Simraz®. Non-standard compounds are available to perform efficiently in designated applications. This generally makes FFKM the most expensive O-ring material.

**Colour:** White

**Operating temperature range:** -15°C to 260°C

Physical Property	Test Method	Units	Typical Values
Hardness	ISO 48	IRHD	77
Tensile Strength	ISO 37	Mpa	11.6
Elongation	ISO 37	%	178
Modulus at 100%	ISO 37	Mpa	6.4
Specific Gravity	ISO 2781	g/cm3	2.38
Compression Set 24h / 204°C	ISO 815	%	17.9
Tear Resistance	ISO 34	N/mm	19.7

Chemical Group	Rating	Chemical Group	Rating
Aromatics / Aliphatic Oils	1	Ethylene Oxide	1
Acids	1	Esters	1
Alkalis	1	Ketones	1
Alcohols	1	Propylene Oxide	1
Aldehydes	1	Steam / Hot Water	1
Amines	1	Strong Oxidisers	1
Ethers	1		

1. Suitable, little or no effect. 2. Minor to moderate effect, not maximum resistance. 3. Moderate to severe effect - may be useful in some limited applications.  
4. Unsuitable and not recommended - severe effect.

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