

Addisil\* 1X0 E series

**Product Description** The Addisil 1X0 E series is a one-component heat curable rubber for making elastomers (HCE) with a hardness range between 40 and 70 Shore A for medical applications. This series is based on a platinum cure system, which is particularly suitable for high value extrusion applications where regulatory compliance, transparency, mechanical performance and/or productivity are important. The series is especially suitable for the manufacture of extruded transparent tubing and profiles for use in healthcare applications.

**Key Performance Properties**

- High transparency, no yellowing
- Excellent mechanical properties
- Dry, non-stick surface
- Odourless during processing and in its application
- Fast curing
- One-component, ready to use
- Shelf life of 3 months from date of manufacturing.

The ingredients used to formulate this product are compositionally compliant with 21 CFR 177.2600, Rubber articles intended for repeated use and the BfR recommendation XV "Silicone". It is the responsibility of the user to determine that the finished product complies with the provisions of 21 CFR 177.2600 and BfR recommendation XV under their specific manufacturing procedures. See 21 CFR 177.2600 and BfR recommendation for details of extractive limitations and other requirements.

**TYPICAL PRODUCT DATA**

<b>Typical Properties of the Vulcanized Rubber:</b>			<b>Addisil 1X0 E</b>			
Test results on moulded slabs, Vulcanization conditions: 10 min. 175 ° C post cured: 4h @ 200 ° C in hot air			<b>140E</b>	<b>150E</b>	<b>160E</b>	<b>170E</b>
Density	DIN 53 479 A	g/cm <sup>3</sup>	1.15	1.18	1.18	1.20
Hardness	DIN 53 505	Shore A	40	50	60	71
Tensile strength	DIN 53 504 S2	N/mm <sup>2</sup>	10	10	11	10.5
Elongation at break	DIN 53 504 S2	%	900	800	630	500
Tear strength	ASTM D 624 die B	N/mm	40	45	42	32
Comp. Set 22h at 175°C	DIN 53 517	%	15	15	15	15

*Typical Product Data should not be used as specifications. For assistance and specifications please contact Momentive performance materials. As these products are still under evaluation, their formulation and properties may be subject to change, that is why this is still a preliminary data sheet*

<u>Registered compliances</u>	<b>Addisil 1X0 E</b>			
	<b>140 E</b>	<b>150 E</b>	<b>160 E</b>	<b>170 E</b>
BfR	Yes	Yes	Yes	Yes
FDA	Yes	Yes	Yes	Yes
USP Class VI	Yes	1)	Yes	Yes
DIN ISO 10993	Yes	1)	Yes	Yes
Eur. Pharmacopeia 3.1.9	Yes	Yes	Yes	Yes

1) It has not been tested in accordance to the norm

**Packaging** The **Addisil 1X0 E** series is available in 25kg and 500kg cardboard boxes

**Instructions for Use** **Cure inhibition:** Being a platinum cure mechanism, the following contaminants can cause cure inhibition:

- Amine derivatives:  
organic and inorganic basic compounds
- Sulphur products:  
anti-oxidants from plastics (thio compounds and sulphides)
- Metal soaps:  
mould release agents or anti-acids as Zn or Ca stearate from Polyolefins
- Tin compounds
- Phosphorous products:  
anti-oxidants from plastics (phosphines and phosphates)

**Handling and Safety** Material Safety Data Sheets are available upon request from Momentive performance materials. Similar information for other chemicals used with Momentive performance materials products may be obtained from the respective suppliers.

**Storage Period** The shelf life for the **Addisil 1X0 E** series is 3 months from date of manufacture, if stored in the original sealed boxes and stored at dry conditions at room temperature (max. 27 deg. C, < 60 % rel. humidity). The shelf life will be indicated by the "use before date" on the associated Certificate of Analysis

**Availability** **Addisil 1X0 E** products may be ordered from your regular sales contact or please call Momentive performance materials, Bergen-op-Zoom, Netherlands at 00800-4321-1000 to find out which is the nearest sales office to you.



PRINCIPAL LOCATIONS – Regional Information

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Pacific	Akasaka Park Building - 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	T +81.3.5544.3100	F +81.3.5544.3101

CUSTOMER SERVICE CENTERS

North America	Charleston, WV 25314, USA E <a href="mailto:cs-na.silicones@momentive.com">cs-na.silicones@momentive.com</a>		
	• Specialty Fluids	T 800.523.5862	F 304.746.1654
	• UA, Silanes, Resins, and Specialties	T 800.334.4674	F 304.746.1623
	• RTV Products-Elastomers • Sealants and Adhesives & Construction	T 800.332.3390 T 877.943.7325	F 304.746.1623 F 304.746.1654
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	• Mexico & Central America • Venezuela, Ecuador, Peru, Colombia, & Caribbean	T +52.55.5899.5135 T +58.212.285.2149	F +52.55.5899.5138 F +58.212.285.2149
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	• Korea	T +82.2.6201.4600	
	• Singapore	T +65.6220.7022	

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