

Addisil™ IND 2060

Addisil* IND 2060

Description

The Addisil IND 20X0 E series is a two-component heat curable rubber for making elastomers (HCE) with a hardness range between 50 and 80 Shore A for industrial 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. Application examples are oven door profiles and tubing for food applications.

Key Features and Benefits

- Good transparency, no yellowing
- Good mechanical performance
- Dry, non-stick surface
- Odourless during processing and in its application
- Fast curing
- Long shelf life of 6 months for the single components if stored appropriately
- Very long pot life of 2 to 4 weeks for the mixed components
- Suitable for compliance with the food contact regulations FDA 21 CFR 177.2600 and the BfR section XV recommendations

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 Physical Properties

Typical Properties of the Vulcanized Rubber: Test results on moulded slabs, (mix ratio A:B = 1:1) Vulcanization conditions: 10 min. 175 ° C post cured: 4h @ 200 ° C in hot air			Addisil® IND 20X0 E			
			2050 E	2060 E	2070 E	2080 E
Density	DIN 53 479 A	g/cm ³	1.15	1.17	1.17	1.18
Shore A hardness	DIN 53 505		48	61	72	81
Tensile strength	DIN 53 504 S2	N/mm ²	10	11	11	10
Elongation at break	DIN 53 504 S2	%	700	550	470	400
Tear strength	ASTM D 624 die B	N/mm	32	34	33	30
Comp. Set 22h at 175°C	DIN 53 517	%	25	20	25	20

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

Processing Recommendations

When the two components are mixed together at a 1:1 mixing ratio, the pot life of the compound is approximately 2 to 4 weeks. During storage, the mix should be wrapped in polythene foil.

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)

Availability

Addisil IND 20X0 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.

Packaging

The Addisil IND 20X0 E series is available in 25kg and 500kg cardboard boxes.

Patent Status

Standard copy to come

Product Safety, Handling and Storage

The shelf life of the **Addisil IND 20X0 E** series is 6 months for the single components from date of manufacture, if stored in the original unopened boxes and stored at dry conditions at room temperature (max. 27 deg. C). The shelf life will be indicated by the “use before date” on the associated Certificate of Analysis

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Limitations

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For literature and technical assistance, visit our website at: www.momentive.com

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