

Addisil NC4X2E

Healthcare Silicone Rubber Compound for Tube Extrusion

Addisil NC4X2E series is two-component heat curable silicone rubber for making elastomers (HCE) with hardness range between 50 and 70 Shore A for medical applications. This series is based on a platinum cure system, particularly suitable for high value extrusion applications where regulatory compliance, transparency, mechanical performance and productivity are important. It is especially suitable for the manufacture of extruded transparent tubing and profiles for use in healthcare applications.

KEY FEATURES

- High transparency, no yellowing
- Excellent mechanical properties
- Dry, non-stick surface
- Odorless during processing and in its application
- Fast curing
- Long shelf-life of 6 months for the single component if stored appropriately

APPLICATIONS

- Tube extrusion for healthcare applications

PROPERTY DATA

Testing Items	Standard	Unit	Typical Data		
			Addisil NC452E	Addisil NC462E	Addisil NC472E
Basic Properties					
Compound Color			Transparency	Transparency	Transparency
Polymer Classification			VMQ	VMQ	VMQ
Physical Strength (Mix ratio of components A:B=1:1; Press cure 10 minutes @ 175°C;Post cure 4hrs@200°C)					
Specific Gravity	DIN 53479 A	g/cm³	1.13	1.15	1.18
Shore A Hardness	DIN 53505	Durometer	50	60	70
Tensile Strength	DIN 53504 S2	MPa	10	10	10
Tear Strength	ASTM D 624-B	N/mm	35	35	35
Elongation @ Break	DIN 53504 S2	%	750	550	450

Typical property data values should not be used as specifications. Assistance and specifications are available by contacting Momentive Performance Materials Commercial Office.

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HANDLING AND SAFETY

- Wear eye protection and protective gloves when handling this product.
- Cure only where appropriate ventilation systems exist.

STORAGE

- Store in a cool and dry place out of direct sunlight.
- Keep out of the reach of children.

PACKAGE

20kg Carton

Addisil NC4X2E
Created Apr-2020

FOR INDUSTRIAL USE ONLY

It is the responsibility of the user to determine the suitability of any Momentive Silicones product for any intended application. NEVER USE ANY Momentive SILICONES PRODUCT FOR IMPLANTATION OR INJECTION INTO THE HUMAN BODY. Specifications are available by contacting Momentive Performance Materials. Typical property data values should not be used as specifications. In as much as Momentive Performance Materials, Inc. has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the suitability of the material for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any Momentive Performance Materials patent covering use or as recommendations for use of such materials in the infringement of any patent. Material Safety Data Sheets are available upon request from Momentive Performance Materials. The contents of this catalog are subject to change without notice. No part of this data may be reproduced without the prior approval of Momentive Performance Materials.



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