

# Addisil™ 480 E

Rubber

Momentive Performance Materials Inc.

## Message:

The Addisil\* 4X0 E series is a one-component heat curable rubber for making elastomers (HCE) with a hardness range between 40 and 80 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 Features and Benefits-

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 manufacture

| General Information |                                      |
|---------------------|--------------------------------------|
| Features            | Fast Cure                            |
|                     | Food Contact Acceptable              |
|                     | Heat Cure                            |
|                     | High Clarity                         |
|                     | Low to No Odor                       |
|                     | Non-Stick                            |
| Uses                | Medical/Healthcare Applications      |
|                     | Profiles                             |
|                     | Tubing                               |
| Agency Ratings      | BfR Food Contact, Unspecified Rating |
|                     | FDA 21 CFR 177.2600                  |
|                     | ISO 10993                            |
| Appearance          | Clear/Transparent                    |
| Processing Method   | Extrusion                            |
|                     | Profile Extrusion                    |

| Hardness                     | Nominal Value |      | Test Method |
|------------------------------|---------------|------|-------------|
| Durometer Hardness (Shore A) | 80            |      | DIN 53505   |
| Elastomers                   | Nominal Value | Unit | Test Method |
| Tensile Strength             | 8.00          | MPa  | DIN 53504   |
| Tensile Elongation (Break)   | 350           | %    | DIN 53504   |
| Tear Strength <sup>1</sup>   | 24.0          | kN/m | ASTM D624   |
| Thermoset                    | Nominal Value |      | Unit        |

|                        |               |      |
|------------------------|---------------|------|
| Shelf Life             | 13            | wk   |
| Post Cure Time (200°C) | 4.0           | hr   |
| Additional Information | Nominal Value | Unit |
| Vulcanization (175°C)  | 10.0          | min  |
| NOTE                   |               |      |
| 1.                     | Die B         |      |

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