

Addisil™ 170 E

Rubber

Momentive Performance Materials Inc.

Message:

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 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 manufacturing.

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		
	USP Class VI		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	71		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	10.5	MPa	DIN 53504

Tensile Elongation (Break)	500	%	DIN 53504
Tear Strength ¹	32.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	15	%	DIN 53517
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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