

Addisil™ 2050 E

Rubber

Momentive Performance Materials Inc.

Message:

The Addisil 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

KTW: German Water Regulation. A representative sample has passed the test for tubes, fittings, seals and storage systems (cold and warm)

WRAS (BS 6920). A representative sample has passed the test (cold and warm)

W270: Microbiological growth test. A representative sample has passed the test

General Information			
Features	Fast Cure		
	Food Contact Acceptable		
	Heat Cure		
	Low to No Odor		
	Medium Clarity		
	Non-Stick		
Uses	Industrial Applications		
	Non-specific Food Applications		
	Profiles		
	Tubing		
Agency Ratings	BfR Food Contact, Unspecified Rating		
	FDA 21 CFR 177.2600		
	KTW Unspecified Rating		
	WRAS Unspecified Rating		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	DIN 53479

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	48		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	10.0	MPa	DIN 53504
Tensile Elongation (Break)	700	%	DIN 53504
Tear Strength ¹	32.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	25	%	DIN 53517
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A	Mix Ratio by Weight: 1.0		
Part B	Mix Ratio by Weight: 1.0		
Pot Life	20000 to 40000	min	
Shelf Life	26	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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