

Addisil™ IND 1080 E

Rubber

Momentive Performance Materials Inc.

Message:

The Addisil IND 10X0 E series is a one-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

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 as of manufacturing date

Suitable for compliance with the food contact regulations FDA 21 CFR 177.2600 and the BfR section XV recommendations

General Information			
Features	Fast Cure		
	Food Contact Acceptable		
	Heat Cure		
	High Clarity		
	Low to No Odor		
	Non-Stick		
Uses	Industrial Applications		
	Non-specific Food Applications		
	Profiles		
	Tubing		
Agency Ratings	BfR Food Contact, Unspecified Rating		
	FDA 21 CFR 177.2600		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	DIN 53479
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	81		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	10.0	MPa	DIN 53504


Tensile Elongation (Break)	400	%	DIN 53504
Tear Strength ¹	30.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	20	%	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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