

# Hapcoat™ 3727

Thermoplastic

Hapco Inc.

## Message:

A hard, steel filled, high strength, wear resistant, thermally conductive, brushable tool and mold surface coat.  
Used as a high performance mold or tool surfacing material and a mold or tool patching material.  
Available in easy to use, two part pre-measured kits, which mix to a brushable, creamy consistency.  
Reproduces exact surface detail and produces a hard, durable surface, that is both heat and chemical resistant

Advantages:

Has a very low shrinkage characteristic, which enables exact surface detail and dimension reproduction.  
Used where moderate wear resistance is required.  
Provides continuous high temperature service up to 350° F.  
Highly resistant to mold release agents and mold cleaners.  
Creamy, and spreads easily by brushing over a model or pattern.  
Can be readily machined, drilled, tapped, or milled with conventional metal working tools.  
Can also be used for changes and repairs in tooling.

Applications:

Foundry Patterns  
Tracing masters  
Molds and fixtures where high performance and exact detailing is required.

General Information		
Filler / Reinforcement	Steel	
Features	Durable	
	Good Chemical Resistance	
	Good Dimensional Stability	
	Good Wear Resistance	
	High Hardness	
	High Heat Resistance	
	High Strength	
	Low Shrinkage	
	Machinable	
	Thermally Conductive	
Uses	Thixotropic	
	Coating Applications	
	Molds/Dies/Tools	
Appearance	Patterns	
	Black	
	Liquid	
Forms	Coating	
Processing Method		
Physical	Nominal Value	Unit
Specific Gravity	2.49	g/cm <sup>3</sup>

Molding Shrinkage - Flow	0.050	%
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A)	90	
Mechanical	Nominal Value	Unit
Tensile Strength	62.1	MPa
Compressive Strength	165	MPa
Thermal	Nominal Value	Unit
Continuous Use Temperature	188	°C
Service Temperature - Intermitten	204	°C
Thermoset	Nominal Value	Unit
Pot Life	45	min

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#### Recommended distributors for this material

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