

# 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 Thixotropic	
Uses	Coating Applications Molds/Dies/Tools Patterns	
Appearance	Black	
Forms	Liquid	
Processing Method	Coating	
Physical	Nominal Value	Unit
Specific Gravity	2.49	g/cm <sup>3</sup>

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

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### Recommended distributors for this material

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