

# Haprez™ 3742

Thermoplastic

Hapco Inc.

## Message:

An amber clear, general purpose, and economical system that be used as is, or with a variety of fillers, for virtually all room temperature casting and laminating applications.

As a laminating system, the extremely low viscosity of HAPREZ 3742 provides superior penetration and wetting of the fiberglass, and makes it especially advantageous for spraying with chopped fiberglass.

For casting, HAPREZ 3742 may be used unfilled for casting small, amber clear parts, or it may be heavily filled with sand for making throwaway molds and mock-ups. Larger parts can also be cast with high loadings of aluminum, and walnut shells for low cost and machinability, or with wood flour for making tooling putty.

HAPREZ 3742 is one of our most versatile products, and can be used almost universally in all room temperature applications.

General Information		
Features	Low Viscosity	
	Machinable	
Uses	Binder	
	General Purpose	
	Laminates	
Appearance	Clear Amber	
Forms	Liquid	
Processing Method	Casting	
	Spraying	
Physical	Nominal Value	Unit
Water Absorption (Saturation)	1.0	%
Mechanical	Nominal Value	Unit
Tensile Strength		
-- <sup>1</sup>	379	MPa
--	55.2	MPa
Tensile Elongation (Break)	12	%
Compressive Strength		
-- <sup>2</sup>	228	MPa
--	75.8	MPa
Shear Strength	27.6	MPa
Electrical	Nominal Value	Unit
Volume Resistivity		
25°C	1.2E+10	ohms · cm
38°C	1.8E+10	ohms · cm
Dielectric Constant (60 Hz)	4.10	

Power Factor <sup>3</sup>	0.0140	
Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (24°C)	1000	cP
NOTE		
1.	12 plys of Volan cloth	
2.	12 plys of Volan cloth	
3.	60 Hz	

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#### Recommended distributors for this material

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