

Haprez™ 3748

Thermoplastic

Hapco Inc.

Message:

A two part, room curing, laminating system, that provides excellent performance results at all operating temperatures up to 300°F. As such, it can be used for room temperature applications, as well as in critical high heat conditions.

Easy to mix, gels rapidly, and provides excellent wetting or chopped or woven fiberglass. It is suitable for hand lay up, or can be sprayed with conventional internal mixing equipment.

May be used in combination with a HAPCOAT surface coat system to provide a totally compatible laminate.

Typical applications for HAPREZ 3748 are in vacuum forms, holding fixtures, rim molds, autoclave, vacuum bag molding, and any other applications where a strong laminate is necessary.

General Information		
Features	Autoclavable	
	High Heat Resistance	
	Rapid Wetting	
Uses	Laminates	
	Molds/Dies/Tools	
Appearance	Grey	
Forms	Liquid	
Processing Method	Hand Lay-up	
	Laminating	
	Spraying	
	Vacuum Forming	
Physical	Nominal Value	Unit
Specific Gravity	1.25	g/cm ³
Hardness	Nominal Value	Unit
Durometer Hardness (Shore D)	80	
Mechanical	Nominal Value	Unit
Tensile Strength (Ultimate)	65.5	MPa
Flexural Strength	105	MPa
Compressive Strength	219	MPa
Impact	Nominal Value	Unit
Notched Izod Impact	24	J/m
Thermal	Nominal Value	Unit
Continuous Use Temperature	149	°C
Service Temperature - Intermitten	177 to 204	°C
Electrical	Nominal Value	Unit

Volume Resistivity (25°C)	3.2E+10	ohms·cm
Dielectric Strength	18	kV/mm
Dielectric Constant (25°C, 1 Hz)	4.20	
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 16	
Pot Life (25°C)	60	min
Thermoset Mix Viscosity ¹ (24°C)	4230	cP
NOTE		
1.	Range: 3500 to 5000	

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