

Haprez™ 3746

Thermoplastic

Hapco Inc.

Message:

A low viscosity, room curing laminating system that is specifically formulated for use in automotive tooling aids, duplicates, Keller models, fixtures, spotting racks, foundry tools, and all other applications requiring laminates for use up to 200° F. Provides excellent wetting characteristics on fiberglass cloth, and its smooth handling and excellent wetting qualities make it quick and easy to use. Its low viscosity characteristics also enables hand application by brush, roller, squeegee, or conventional internal mix spraying equipment. Non-settling during storage and use, to yield completely uniform results with every use. It is also non-sagging to insure that the glass stays in place during fabrication and curing, and its long pot life characteristic enables continuous, non-stop laminating to any desired thickness. While yielding exceptionally high strength properties, HAPREZ 3746 is also a close tolerance system. Low shrinkage factors of 0.0005 per linear inch are customarily obtained with this system, making it ideal for close tolerance applications. May be used with any HAPCOAT system to provide a totally compatible laminate system

Applications:

- Automotive Tooling
- Keller Models
- Fixtures
- Spotting Racks
- Foundry Tools
- Duplicates

General Information		
Features	High Strength	
	Low Shrinkage	
	Low Viscosity	
Uses	Automotive Applications	
	Laminates	
	Molds/Dies/Tools	
	Tooling	
Appearance	White	
Forms	Liquid	
Processing Method	Machining	
	Spraying	
Physical	Nominal Value	Unit
Specific Gravity	1.30	g/cm ³
Hardness	Nominal Value	Unit
Durometer Hardness (Shore D, 25°C)	87	
Mechanical	Nominal Value	Unit
Tensile Strength ¹	310	MPa
Thermal	Nominal Value	Unit
Service Temperature	93	°C

Cure Time (21°C)	1.0	day
Mixing Ratio - Range	14.0 to 17.0	
Electrical	Nominal Value	Unit
Volume Resistivity		
25°C	1.2E+10	ohms·cm
38°C	1.8E+10	ohms·cm
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 16	
Pot Life (25°C)	30 to 40	min
Thermoset Mix Viscosity (25°C)	1500	cP
NOTE		
1.	12 Ply	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

