

TDS: Effective Date: Revision:

Heat Shrink Labels

This specification is intended to outline the physical and chemical properties of *PANDUIT*'s GMHS21E tubing material for wire identification and insulation purposes and include the following part numbers and printable material identifiers:

Part Number Prefixes			
H000			

Printable Material Suffixes			
HPM			
HXM			

PRODUCT SPECIFICATIONS:

Description:	UL: This Heat Shrink Tube material is compliant to UL224. Rating temp.: 125 degrees C / Rating voltage: 300V / Flammability: VW-1. RoHS: the GMHS21E is compliant to RoHS Standards to Directive (2011/65/ EU) and (Annex II (EU) 2015/863) established on June 8, 2011.	
Print Methods:	This material is recommended for thermal transfer printing.	
Standard Colors:	White, Yellow	
Shrink Ratio:	2 to 1 @ 212°F (100°C)	
Service Temperature Range:	Minus 67°F to 257F (Minus 55°C to 125°C)	
Storage Conditions:	Store at 70°F (21°C) and 50% Relative Humidity.	
	For cassette products do not exceed 95°F.	

Tensile Strength: Elongation Ultimate:

Dielectric Strength: Low Temperature Flexibility: Flammability:

PERFORMANCE:

min. 10.4MPa (ASTM D 638) 200% minimum (ASTM D 638) AC2.5kV x 60 sec., no breakdown (ASTM D 876) No Cracking – 1 hour @ minus 30 C (UL224) Flame-retarded PBDE/PBB-free



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Technical Data Sheet

CHEMICAL/SULVENT RESISTANCE:				
Chemical Reagents	Test Method	Results		
Ethanol	Attach to glass rod, then sink in	No Effect		
Acetone	each chemical/solvent for 2			
0.1N Hydrochloric Acid	hours			
0.1N Sodium Hydroxide				
Engine Oil				
Toluene		Tube pulled away from rod, but		
Hexane		print remained legible and no		
Mineral Spirits		cracking or discoloration was		
Ethyl Acetate		seen.		

CHEMICAL/SOLVENT RESISTANCE:

LIMITED WARRANTY

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