



Ruc. 2557942-1-827268 DV 8



Technical Specifications of Labelstock

04/DEC/2025

Product Code	Top Thermal 70HM60		
Product Name	Fenix Top Thermal 70 HM WG 60		
Face Stock	70G Top Coated Thermal Paper		
Adhesive	General Hot Melt Adhesive		
Liner	60gsm White Glassine		
Items		Unit	Test Method
Face Stock			
Basic Weight	70±5%	gsm	GB/T 451.2-2002
Caliper	72±5%	μm	GB/T 451.3-2003
Brightness	≥80	%	GB/T 7974-2002
Dynamic Sensitivity	≥1.20	—	GB/T 28210-2011
Water Resistance	≥80	%	GB/T 28210-2011
Oil Resistance	≥80	%	GB/T 28210-2011
Plasticizer Resistance	≥80	%	40℃, 24h
The thermal top coating has good feature of water resistance, oil resistance, plasticizer resistance, BPA-free. With excellent scratch resistance, weather resistance. Have a good thermal image preservation performance. Suitable for industrial barcode label and logistics label.			
Adhesive			
‘Loop’ Tack	≥14 or PT	N	FTM9, ss
Peel Adhesion (90°)	≥7 or PT	N/25mm	FTM2, ss
Minimum Application Temp.	10℃		
Service Temperature Range	-15℃~65℃		
This product uses general hot melt adhesive. The initial viscosity is high. It has excellent performance on various packing materials. Not suitable for PVC surface. Not recommended for small caliber or irregular surfaces or often squeezed bottles. Labeling test is necessary before application. Suitable for non-direct contact labeling of food, drug and cosmetic products.			
Liner			
Basic Weight	60±5%	gsm	GB/T 451.2-2002
Caliper	53±5%	μm	GB/T 451.3-2003
Tensile Strength (MD)	≥5.0	kN/m	GB/T 12914-1991
Printing and Converting			
Applicable for most printing process. Processing temperature should be no more than 50℃ due to the thermal feature.Avoid friction and collision duiring trasportation and processing to prevent color development partially or on the surface of the label roll. Ink contains alcohol or volatile organic solvents may cause damage to thermal coating. UV ink and water-based ink are recommended to be applied on flexography printing.Ink testing is always recommended before production.The material can be used in food if and only if it has a barrier, it is not suitable for direct contact with food.			
Storage and Preservation			
Avoid being stored at temperature over 50℃ or direct sunshine. 1 year life when stored at 23±2℃ and 50±5% RH.			

- Note:
- 1. All relative material’s description, technical specification and usage recommendation are based upon tests believed to be reliable but do not represent a guarantee.
  - 2. Is mandatory test before production to avoid potential risks, due to various operating environments and processing conditions.
  - 3. All information and recommendations abouts Fenix® products are base on our existing knowledge and experiences but do not mean a guarantee or warranty. As the products are used for differents applications we recommend checking suitability of products prior to use. All information is subject to change without notice. End user obliged and verifies the above information before using the material
  - 4. ASI Development Inc. Reserves the right to interpret latest terms to the technical documents.

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