



Global Harmonized System of Classification and Labeling Chemicals (GHS) is a government regulation to communicate hazard information as well as protective measures on labels. Under this new regulation, new labels must include several different components.

Thermal transfer ribbons provide a viable solution for GHS. These ribbons provide low cost of ownership and fixed ribbon costs regardless of ink coverage. By using thermal transfer ribbons, you may be able to use existing equipment and minimize investment. For example, pre-printing the red elements and adding variable black information maybe be a viable solution if the number of pictograms is similar. Another solution being adopted in the marketplace is the use of a multi-head thermal transfer printer printing both the black and red elements of the label. All IIMAK ribbons work for GHS, however, it is recommended that the ribbon and label are tested for specific applications.



The BS5609 is another standard in which International Maritime Dangerous Goods (IMDG) require certification. This British Standard requires label resistance to marine immersion, temperature cycling, weathering, and abrasion. IIMAK’s full resin ribbons have undergone third-party certification tests to be BS5609 compliant. The test certificates are available upon request.

IIMAK provides a number of black and red TTR solutions to meet GHS requirements. Your choice of ribbon depends on the durability needs of the labels and the method of shipment (sea freight requires BS5609 certificate).

	BS5609	Maximum	Durable	Basic	
Substrate	FLEXcon 21023 MACTac FCD6914 MACTac BDE6914 Fasson Primax IS277	Vinyl	Topcoated Polyester	Synthetic Paper Topcoated BOPP Coated and Uncoated Paper	
TTR Grade	RESIN	RESIN		WAX-RESIN	WAX
TTR Ribbon	SP330 Black SP575 Black DC300 Red NETResin IQ Black	SP330 Black SP575 Black DC300 Red DC400 Red NETResin IQ Black		PM255 Black PM308 Black DC200 Red NETMark IQ NETColour Red	GP725 Black DC100 Red
Benefits	<ul style="list-style-type: none"> <li>• 3rd party verified</li> <li>• Tape test, sea water and sand abrasion</li> <li>• Salt Spray and accelerated light</li> </ul>	<ul style="list-style-type: none"> <li>• Most conformable</li> <li>• Maximum outdoor life</li> <li>• Performs well in cold temperatures</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent chemical resistance</li> <li>• Long term outdoor</li> </ul>	<ul style="list-style-type: none"> <li>• Occasional chemical contact</li> <li>• Economical</li> </ul>	

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