Marking Services Incorporated®

MS-215R Component Markers

Technical Data



Description

MS-215R Component Markers are constructed of printed graphics sealed between layers of chemical resistant plastic. The top layer is an outdoor durable thermoplastic that provides excellent resistance to process chemicals, protection from high impact and functions as a UV filter to prevent fading of printing and graphics. The substrate provides excellent stiffness for rigid sign requirements. Markers are used to clearly label major ammonia system equipment such as heat exchangers, oil pots, and compressors.

Physical and Chemical Characteristics

Base Material:	Rigid Thermoplastic	
Material Thickness:	0.110” (2.79 mm)	
Service Temperature:	-40°F to 200°F (-40°C to 93°C)	
Application Temperature:	W/ adhesive +50°F (10°C)	
Chemical Resistance:	Excellent	
Water Resistance:	Excellent	
Expected Outdoor Durability:	Excellent (5+ Years)	
Storage Durability:	W/ Adhesive - Up to 2 Years | W/O Adhesive - 5+ Years	
Abrasion Resistance:	Excellent	
Mounting:	Adhesive backing, grommets, holes with washers or foam tape	
Finish:	Matte finish with beveled edges (parallel edges available)	
Text Height:	Designed to meet ANSI/IIAR 2-2021 Appendix Q	
Typical Sizes:	Customizable	
Standard Colors:	Designed to meet ANSI/IIAR 2-2021 Appendix Q	
Chemical Table:	Ethyl Acetate: No visible effect Xylene: No visible effect 40% NaOH: No visible effect Concentrated HCI: No visible effect Gasoline: No visible effect Butyl Cellosolve: No visible effect Toluene: No visible effect	Isopropyl Alcohol: No visible effect Cyclohexanone: No visible effect Acetone: Failure MEK: Failure Methylene Chloride: Failure

Information on physical and chemical characteristics is based on tests we believe to be reliable. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material for their specific application.

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