

MR 1136 Isocyanate

Technical Data Sheet



Description

MR 1136 is a single component MDI prepolymer with superior performance properties designed for use with rubber granulate. It is specifically designed for application of in-situ outdoor playground and other sports surfacing using appropriate recycled rubber and EPDM granules. MR 1136 does not support fungal growth.

Typical Component

Properties	Units	Values	Test Method
NCO content	%	9.5	ASTM D 5155
Viscosity, 25°C	Cps	4,500	ASTM D 4889
Specific Gravity, 25°C		1.08	ASTM D 891
Elongation at break	%	80	ASTM D 412 A
Tensile(1)	psi	72	ASTM D 412 A
Open time	Minutes	30	ASTM D 412 A

Recommended Process Conditions

Surface and ambient temperatures must be at least 50°F and rising. Do not apply over wet or damp surface. Do not mix or apply when rain is imminent or falling. Substrate must be free of dust, oil, and grease. Applications over concrete and asphalt require use of a primer. Ambient temperature and relative humidity are critical to product reaction. Consult with American Recycling Center, Inc. whenever conditions of very high or low temperatures and/or very high or low relative humidity are present or anticipated.

Handling and Storage

	Units	Limits
Storage Temperature	°C	5-21
Storage stability / Shelf life (2)	Months	6

Safety Considerations

Material Safety Data (MSD) sheets are available from American Recycling Center, Inc. MSD sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. MSD sheets are updated regularly, therefore, please request and review the most current MSD sheet before handling or using any product.

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