



## VORAMER MR 1165

Isocyanate

**Description** VORAMER\* MR 1165 is a single component, moisture curing, MDI based prepolymer designed for use with rubber granulate. It is specifically designed for application of in-situ playground and other sports surfacing using appropriate recycled rubber and EPDM granules in cold weather conditions. Voramer MR 1165 does not support fungal growth.

### Typical Component Properties

	Units	Values	Test Method
Appearance, Color		Amber	Visual
NCO content	%	10.0	ASTM D 5155
Viscosity, 23 °C	Cps	3,500	ASTM D 4889

### Recommended Process Conditions

Surface and ambient temperatures must be at least 45 deg F. 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 Dow, or its authorized agent, whenever conditions of very high or low temperatures and/or and or very high or low relative humidity are present or anticipated.

### Handling and Storage

	Units	Limits
Storage temperature	°C	15-25
Storage stability / Shelf life <sup>(1)</sup>	months	6

1. Stored in the original sealed drums in a dry place at the recommended temperature.

### Typical Polymer Film Properties <sup>(1)</sup>

	Units	Limits	Test Method
Flash Point	°C		DIN 51758
Elongation	%	275	ASTM D 412 A
Tensile	psi	2900	ASTM D 412 A

2. Thin polymer films

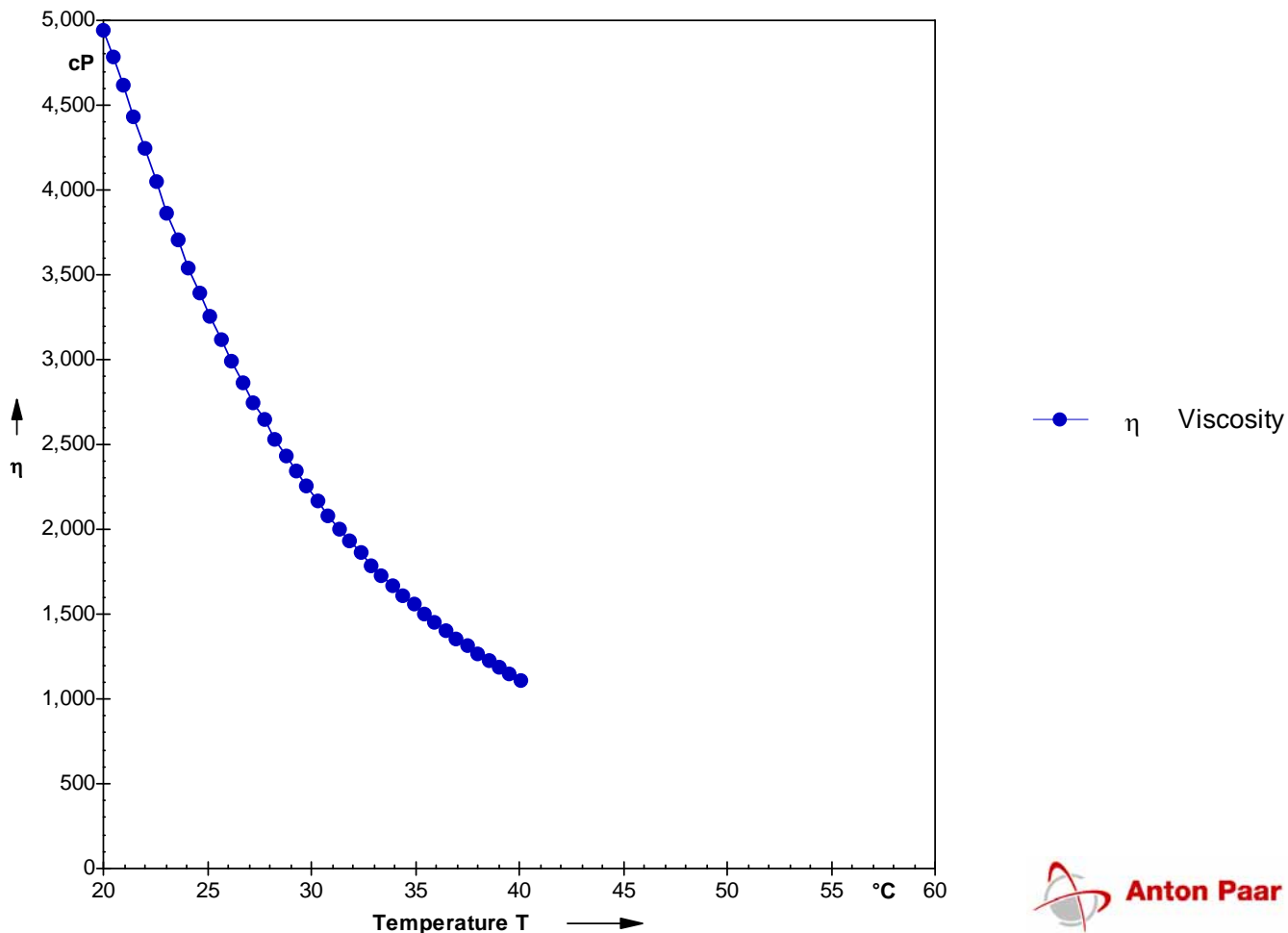
## Safety Considerations

Material Safety Data (MSD) sheets are available from The Dow Chemical Company. 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. These are available from the nearest Dow sales office.

## Customer Notice

Dow encourages its customers to review their application of Dow products from the standpoint of human health and environmental quality. To help ensure that Dow products are not used in ways for which they were not intended or tested, Dow personnel will assist customers in dealing with ecological and products safety. Your Dow sales representative can arrange the proper contacts.

Viscosity vs Temperature  
Voramer MR 1165 Isocyanate



Anton Paar GmbH



**Contact information :**

For more information about PU Systems products, call The Dow Chemical Company :  
<http://www.dow.com/pusystems/index.htm>

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