



# ISONATE™ 128 Modified MDI for Energy Savings and Productivity Improvement in High Performance Polyurethanes

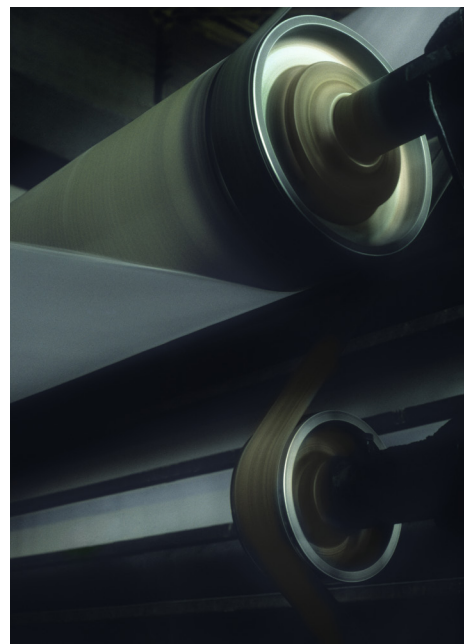
ISONATE™ 128 Modified MDI is a stable, liquid two-functional isocyanate that offers energy and cost savings, as well as easier handling for the elastomer and industrial polyurethane markets.

Dow designed ISONATE 128 to balance the need for ease of processing without sacrificing excellent mechanical properties in end-use applications. It can be shipped and stored using less energy than its counterpart, ISONATE 125M Pure MDI, and enables market growth by allowing new players to enter the market with low capital.

ISONATE 128 offers superior handling, and with optimal storage conditions between 80-95 °F (27-35 °C), it also provides stability in storage. It is ideal for use in commercial printing (top of the hammer), as well as consumer use in items such as rollerblade wheels.

Benefits of ISONATE 128 Modified MDI include:

- Energy savings and less production down time since there is no need to melt material in a broader temperature range
- Easier handling and processing
- Longer usage period throughout the year
- Excellent mechanical properties of obtained polyurethane elastomers



## Typical Properties

	Unit	Value	Test Method
Appearance	N/A	Yellow liquid	N/A
Specific Gravity (@ 85 °F / 29 °C)	N/A	1.20	ASTM D4659
Isocyanate Content	wt%	32.5-33.0	ASTM D5155
Viscosity (@ 85 °F / 29 °C)	cP	15	ASTMD4889; spindle LV-1, 100 rpm

## Performance Comparison

	Tensile Strength (psi)	Elongation %	Modulus (psi)	Shore A Hardness
ISONATE 125M Prepolymer System	1,190	990	300	57
ISONATE 128 Prepolymer System	1,250	920	360	54

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For more information and product samples, contact us at your convenience:

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