

# Mirathane™ E390

Thermoplastic Polyurethane Elastomer (Polyester)

Miracll Chemicals Co., Ltd.

## Message:

Mirathane™ E390 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Applications of Mirathane™ E390 include additive/masterbatch, hose/tubing, consumer goods and engineering/industrial parts.

Characteristics include:

Fast Molding Cycle

Good Processability

General Information	
Features	Fast Molding Cycle
	Good Processability
	Low to No Migration
Uses	Compounding
	Footwear
	Hose
	Overmolding
	Plastics Modification
	Tubing
	Wheels

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	93		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	10.0	MPa	
300% Strain	13.0	MPa	
Tensile Strength (Yield)	32.0	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Tear Strength	95.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-20.0	°C	DSC

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