

# Mirathane™ E275

Thermoplastic Polyurethane Elastomer (Polyester)

Miracll Chemicals Co., Ltd.

Message:

Mirathane™ E275 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Applications of Mirathane™ E275 include additive/masterbatch, hose/tubing, consumer goods and engineering/industrial parts.

Characteristics include:

Good Adhesion

Good Flexibility

Wear Resistant

General Information			
Features	Good Abrasion Resistance		
	Good Adhesion		
	Low Temperature Flexibility		
Uses	Compounding		
	Footwear		
	Hose		
	Overmolding		
	Plastics Modification		
	Tubing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	77		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	55.0	mm <sup>3</sup>	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	4.00	MPa	
300% Strain	6.00	MPa	
Tensile Strength (Yield)	25.0	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Tear Strength	90.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-42.0	°C	DSC

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

