

Mirathane™ E270

Thermoplastic Polyurethane Elastomer (Polyester)

Miracll Chemicals Co., Ltd.

Message:

Mirathane™ E270 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Applications of Mirathane™ E270 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
	Soft
Uses	Compounding
	Footwear
	Hose
	Overmolding
	Plastics Modification
	Tubing

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18 to 1.19	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	72 to 73		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	60.0 to 80.0	mm ³	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	3.00 to 4.00	MPa	
300% Strain	5.50 to 6.00	MPa	
Tensile Strength (Yield)	25.0 to 26.0	MPa	ASTM D412
Tensile Elongation (Break)	600 to 650	%	ASTM D412
Tear Strength	65.0 to 85.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ¹	-42.0	°C	ASTM D3417, DSC

NOTE	
1.	10°C/min

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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

