

Mirathane™ E155D

Thermoplastic Polyurethane Elastomer (Polyester)

Miracll Chemicals Co., Ltd.

Message:

Mirathane™ E155D is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Applications of Mirathane™ E155D include coating applications, engineering/industrial parts, hose/tubing, additive/masterbatch and automotive.

Characteristics include:

- Chemical Resistant
- Good Flexibility
- Puncture Resistant
- Wear Resistant

General Information	
Features	Good Abrasion Resistance
	Kink Resistant
	Low Temperature Flexibility
	Oil Resistant
	Puncture Resistant
	Solvent Resistant
Uses	Automotive Applications
	Belts/Belt Repair
	Coating Applications
	Compounding
	Fabric Coatings
	Film
	Footwear
	Hose
	Overmolding
	Seals
	Sheet
	Tubing
	Wheels
	Wire & Cable Applications

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	97		
Shore D	55		
Mechanical	Nominal Value	Unit	Test Method

Abrasion Loss	35.0	mm ³	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	15.0 to 16.0	MPa	
300% Strain	28.0 to 38.0	MPa	
Tensile Strength (Yield)	38.0 to 43.0	MPa	ASTM D412
Tensile Elongation (Break)	340 to 380	%	ASTM D412
Tear Strength	160 to 170	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 72 hr	30	%	
70°C, 22 hr	55	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ¹	-27.0	°C	ASTM D3417
NOTE			
1.	10°C/min		

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