

Mirathane™ M85

Thermoplastic Polyurethane Elastomer (Polyether)

Miracll Chemicals Co., Ltd.

Message:

Mirathane™ M85 is a Thermoplastic Polyurethane Elastomer (Polyether) (TPU-Polyether) product. It is available in Asia Pacific. Applications of Mirathane™ M85 include hose/tubing, additive/masterbatch, agricultural, coating applications and film.

General Information			
Uses	Compounding		
	Fabric Coatings		
	Film		
	Hose		
	Molded Ear Tags		
	Sheet		
	Tubing		
	Wire & Cable Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance	20.0	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	4.00	MPa	
300% Strain	9.00	MPa	
Tensile Strength (Yield)	25.0	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength	80.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 72 hr	27	%	
70°C, 22 hr	65	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ¹	-45.0	°C	ASTM D3417
NOTE			

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