

Mirathane™ M90

Thermoplastic Polyurethane Elastomer (Polyether)

Miracll Chemicals Co., Ltd.

Message:

Mirathane™ M90 is a Thermoplastic Polyurethane Elastomer (Polyether) (TPU-Polyether) product. It is available in Asia Pacific. Applications of Mirathane™ M90 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	1.12	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	90		
Shore D	47		
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance	30.0	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	6.00	MPa	
300% Strain	12.0	MPa	
Tensile Strength (Yield)	30.0	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength	100	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 72 hr	27	%	
70°C, 22 hr	70	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ¹	-40.0	°C	ASTM D3417
NOTE			

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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

