

# Mirathane™ M85F (Halogen Free)

Thermoplastic Polyurethane Elastomer (Polyether)

Miracll Chemicals Co., Ltd.

Message:

Mirathane™ M85F (Halogen Free) is a Thermoplastic Polyurethane Elastomer (Polyether) (TPU-Polyether) product. It is available in Asia Pacific. Typical application: Wire & Cable.  
Characteristics include:  
Flame Rated  
Flame Retardant  
Halogen Free

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Uses	Communication Cable Jacketing		
	Power Cable Jacketing		
	Wire & Cable Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	88		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance	50.0	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	2.00	MPa	
300% Strain	6.00	MPa	
Tensile Strength (Yield)	13.0	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength	50.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature <sup>1</sup>	-60.0	°C	ASTM D3417
Flammability	Nominal Value		Test Method
Flame Rating	V-2		UL 94
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



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