

Mirathane™ S95

Thermoplastic Polyurethane Elastomer (Polycaprolactone)

Miracll Chemicals Co., Ltd.

Message:

Mirathane™ S95 is a Thermoplastic Polyurethane Elastomer (Polycaprolactone) (TPU-Capro) product. It is available in Asia Pacific.

Characteristics include:

Chemical Resistant

Heat Resistant

Wear Resistant

General Information			
Features	Good Abrasion Resistance		
	High Heat Resistance		
	Low Compression Set		
	Oil Resistant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	94		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	30.0	mm ³	DIN 53516
Service Temperature	-30 to 125	°C	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	12.0	MPa	
300% Strain	25.0	MPa	
Tensile Strength (Yield)	30.0	MPa	ASTM D412
Tensile Elongation (Break)	420	%	ASTM D412
Tear Strength	120	kN/m	ASTM D624
Compression Set			ASTM D395
70°C, 22 hr	18	%	
100°C, 24 hr	25	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ¹	-40.0	°C	DSC
Extrusion	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0 to 4.0	hr	
Cylinder Zone 1 Temp.	210	°C	
Cylinder Zone 2 Temp.	205	°C	
Cylinder Zone 3 Temp.	200	°C	

Die Temperature	215	°C
NOTE		
1.	10°C/min	

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