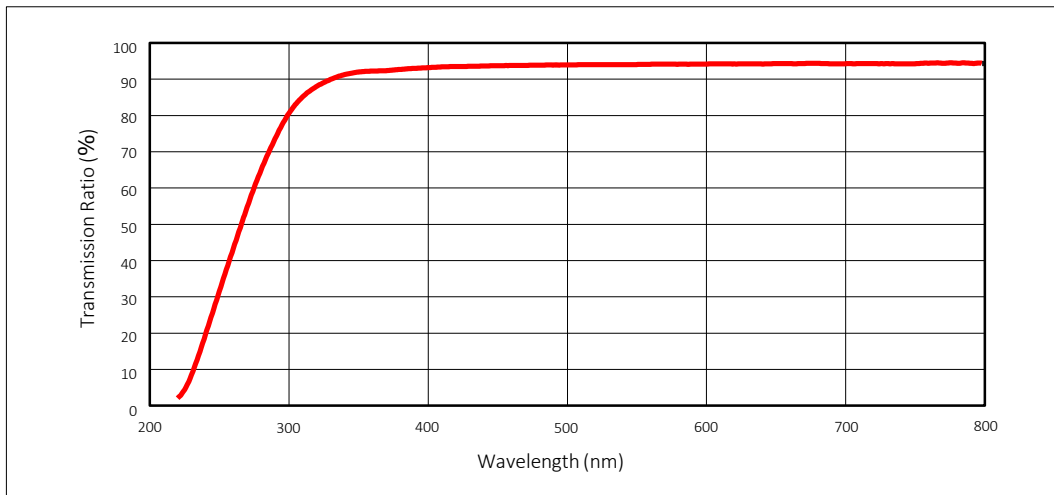


## Silicone Rubber (ASR-A80MC) Material Datasheet

### General Properties (Post-Cure)

<b>Color</b>	Transparent
<b>Durometer JIS A</b>	80
<b>Refractive Index (25°C)</b>	1.41
<b>Water Absorption Coefficient (23°C pure water, 24h immersion)</b>	0.09%
<b>Linear Expansion Coefficient (40~200°C)</b>	$27 \times 10^{-5}$

### Total Light Transmittance 2mm material thickness



### Test Battery Results

Test Item	Method	Test Condition	Appearance	Transmittance Change $\Delta T$	Yellowing $\Delta YI$	
High Temp Storage	JEITA ED-4701 200 201	Ta = 150°C	1000h	No Abnormality	0.70%	0.34
		Ta = 180°C	1000h	No Abnormality	0.80%	0.45
High Temp/ Humidity Storage	JEITA ED-4701 100 103	Ta = 85°C RH = 85%	1000h	No Abnormality	1.13%	0.90
Low Temp Storage	JEITA ED-4701 200 202	Ta = -40°C	1000h	No Abnormality	0.10%	0.02
Solvent Resistance	JEITA ED-4701 500 501	Solvent: Isopropyl Alcohol Solvent Temp: 20°C~25°C Immersion Duration: 5 minutes	1 time	No Abnormality	—	—
Drop Test	—	1m Drop onto t = 20mm Iron Plate	5 times	No Deformation or Damage	—	—
High Temp Exposure	—	Ta = 230°C	168h	No Abnormality	0.96%	0.64

ASR-A80MC as tested exhibits no abnormalities or damage in any of the above tests. No significant change in transmittance or yellowing was evident in comparisons before and after each test.

This test data is provided for reference purposes, and is not a specification.