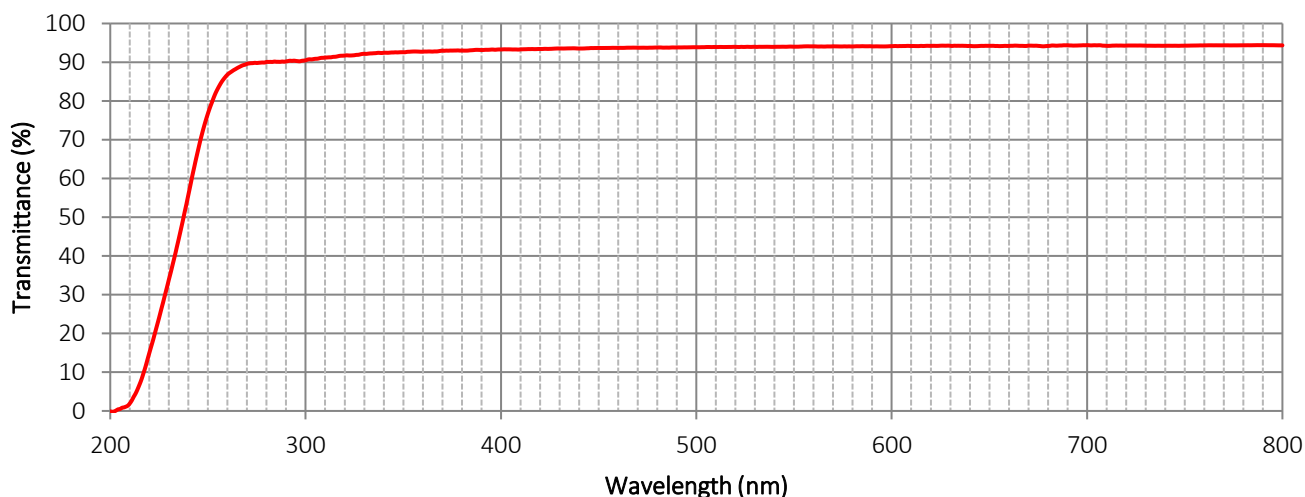


Silicone Rubber (DUV280) Material Datasheet

General Properties (Post-Cure)

Color	Transparent
Durometer JIS A	50
Refractive Index (589nm)	1.40
Linear Expansion Coefficient	305ppm/°C
Specific Gravity	1.07

Total Light Transmittance (Parallel light + divergent light) 2mm thickness flat test piece



Test Battery Results

Test Item	Method	Test Condition		Appearance	Post-Test 280nm Transmittance t=2mm
High Temperature Storage	JEITA ED-4701 200 201	Ta=150°C	1,000hr	No abnormalities	82.7%
Low Temperature Storage	JEITA ED-4701 200 202	Ta=-40°C	1,000hr	No abnormalities	88.4%
Solvent Resistance	JEITA ED-4701 500 501	Solvent: IPA 23±5°C, 5min	1 time	No abnormalities	89.1%
Humidity Resistance	-	Ta=30°C RH=60%	1,000hr	No abnormalities	83.5%
Thermal Shock	-	-40°C > 100°C 15min 15min	100 cycles	No abnormalities	84.5%
High Temperature Resistance	-	Ta=200°C	500hr	No abnormalities	89.1%
UV Resistance	UV-LED (λp=280nm) irradiation	Ta=25°C, If=500mA	10,000hr	No abnormalities	89.6%

DUV280 as tested exhibits no cracks 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.