



News Release

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SILCAST™ SC-417 – Optially Clear, Low Viscosity Silicone



epoxySet supplies the SILCAST™ SC-417, optically clear, soft silicone for potting, sealing and encapsulating applications. This 1:1 mix system will cure overnight at room temperature or within 30 minutes at 150°C with a work time of about 30 minutes. The extremely low viscosity allows for penetration of components to yield a complete, air free potting.

The SC-417 cures to a hardness of Shore A23. It exerts no stress on parts during or after cure. It is excellent as a physical barrier to protect components from both physical and environmental conditions. The optical properties make this silicone an excellent choice for waveguides and optical components as it resists yellowing. The low 1.41 refractive index and high optical clarity allows for very high transmission at wavelengths from 320 to 2000nm.

SC-417 has exceptional electrical insulation properties allowing it to be used extensively for potting and encapsulating PCBs, transformers, power supplies and other electrical devices.

SILCAST™ SC-417 is readily available in 50ml dual barrel cartridges.

epoxySet is an innovative custom formulator of Epoxies, Urethanes, Silicones, Thermal Greases and UV cures for the electronic, medical, semi-conductor, optics, automotive and aerospace industries. Our extensive experience allows us to quickly modify our wide-ranging product line for any requirement. Please contact our technical support staff at 401-726-4500 or info@epoxyset.com

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