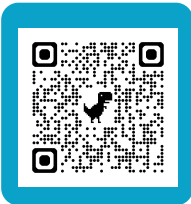


RESION - SILICONE RUBBER

Silicone casting rubber 1:1 selection guide | Find the right hardness and grade for your application

Online
range



COMPARE THE GRADES	SHORE 8 Coloured	SHORE 15 Coloured	SHORE 25 Coloured	SHORE 40 Coloured	SHORE 15 Translucent	SHORE 40 Translucent
Description	Our softest silicone rubber. Very flexible for complex moulds and applications requiring extensive deformation, including the erotic industry.	Our versatile bestseller. Flexible, tear-resistant and easy to use. Ideal for detailed epoxy and resin art moulds. Also tested for food contact.	An excellent balance of flexibility and dimensional stability. For detailed moulds needing extra support, such as concrete casting moulds.	Our firmest silicone casting rubber. For large, stable moulds and heavy casting materials, such as concrete. Also tested for food contact.	Flexible and semi-transparent. Ideal for detailed moulds and custom colouring with silicone pigments. Tested for food contact in its original formulation.	Firm and semi-transparent. For stable moulds and custom colouring with silicone pigments. Tested for food contact in its original formulation.
Flexibility	Very flexible	Flexible	Slightly flexible	Firm	Flexible	Firm
Hardness (Shore A)	8	15	25	40	15	40
Colour	Red	Blue	Green	Black	Translucent	Translucent
Mixing ratio by weight	1:1	1:1	1:1	1:1	1:1	1:1
Working time at 20°C	approx. 30 min	approx. 30 min	approx. 30 min	approx. 30 min	approx. 30 min	approx. 30 min
Curing time at 20°C	approx. 8 hours	approx. 8 hours	approx. 8 hours	approx. 8 hours	approx. 8 hours	approx. 8 hours
Temperature resistance	200°C	200°C	200°C	200°C	200°C	200°C
Food contact	Not tested	Tested Post-cure required	Not tested	Tested Post-cure required	Tested Post-cure required	Tested Post-cure required
Suitable for 3D-printed moulds	Yes	Yes	Yes	Yes	Yes	Yes
Typical applications	Complex shapes and highly flexible moulds	Epoxy and resin art moulds; food products	Stable casting moulds and concrete moulds	Large, sturdy moulds; food products	Flexible, colourable moulds; food products	Firm, colourable moulds; food products
Product information	Product & documents	Product & documents	Product & documents	Product & documents	Product & documents	Product & documents

FOOD CONTACT & DOCUMENTATION

Shore 15 and 40, including translucent grades, have been independently tested for food contact. **Correct processing and post-curing according to the TDS are required.** The full TÜV SÜD test reports and Declarations of Compliance (DoC) are available under **Documents** on each product page. Adding pigments or other additives does not automatically preserve compliance.

CUSTOM SILICONE RUBBER

For high-volume users, we can tailor **colour, working time and curing speed.** Contact us to discuss a suitable grade for your process. Custom formulations are not automatically covered by the existing food-contact declaration.