

Dragon Skin Series

(Matrix SIL DS 10, 20, 30)

Applications

Dragon Skin silicones are high performance platinum cure liquid silicone compounds that are used for a variety of applications ranging from creating skin effects and other movie special effects to making production molds for casting a variety of materials. Because of the superior physical properties and flexibility of the rubbers, they are also used for medical prosthetics and cushioning applications. Dragon Skin rubbers are also used for a variety of industrial applications and have a service temperature range of a constant -65°F to +450°F (-53°C to +232°C).

Dragon Skin 10 is Flame Rated to UL-94 HB specification and meets the B1 classification for the GB 8624-2012 Fire Test to Building Material and Products (does not include 'NV' formulas). The silicone is also soft, super-strong and stretchy, making it ideal for spectacular skin and creature effects.

An infinite number of colour effects can be achieved by adding silicone pigments or effects powders. Cured rubber can also be painted.

Cured material is skin safe and certified by an independent laboratory.

Properties

- ▶ Skin safe
- ▶ Soft, strong and stretchy
- ▶ Skin and creature effects

PHYSICAL PROPERTIES			
Properties	Dragon Skin 10	Dragon Skin 20	Dragon Skin 30
Mixed viscosity (ASTM D-2393)	23,000 cps	20,000 cps	20,000 cps
Specific gravity (ASTM D-1475)	1.07	1.08	1.08
Shore A Hardness (ASTM D-2240)	10A	20A	30A
Tensile strength (ASTM D-412)	475 psi	550 psi	500 psi
100% modulus (ASTM D-412)	22 psi	49 psi	86 psi
Elongation at break (%) (ASTM D-412)	1000%	620%	364%
Die B tear strength (ASTM D-624)	102 pli	120 pli	108 pli
Shrinkage (ASTM D-2566)	< .001 in/in	< .001 in/in	< .001 in/in

