

sphere core SBC

Sphere.core SBC is the ideal core material for making durable and light molds - - - Why?

Stability of shape: Due to its low resin consumption (approx. 400-450 g/m²/mm) and when combined with mold resins, shrinkage of the mold is almost eliminated.

Easy and efficient processing: Dry Sphere.core SBC material can be cut in the required shape simply by using scissors or a knife. When impregnated with resin, the material gets soft. Overlapping areas can easily and entirely be flattened. Wet-in-wet processing considerably reduces working time.

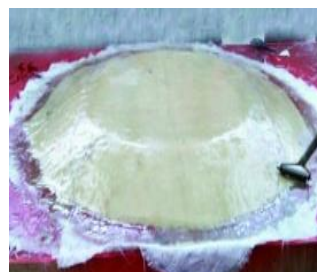
Resin compatibility: Sphere.core SBC is compatible with UP, VE resin with a normal hand lay up viscosity. Sphere.core SBC HT is compatible with epoxy resin. We recommend to use high quality resin, but there is no need to use special tooling resin. In any case we suggest to test the compatibility of your resin on a small Sphere.core SBC sample in advance.

Durability: Its high impact strength ensures durability and prevents damages from demolding.

Below please find some suggestions for composite molds made with Sphere.core SBC:

<p>Small mold (11 mm thickness)</p>	<p>Gelcoat 1 layer CSM 225 g/m² 2 layers CSM 450 g/m² 1 layer Sphere.core SBC 6,0 mm 2 layers CSM 450 g/m²</p>	}	<p>Laminate these layers wet-in-wet</p>
<p>Medium-sized mold (16 mm thickness)</p>	<p>Gelcoat 1 layer CSM 225 g/m² 2 layers CSM 450 g/m² 1 layer MX 600 g/m² + CSM 450 g/m² 1 layer Sphere.core SBC 10,0 mm 2 layers MX 600 g/m² + CSM 450 g/m²</p>	}	<p>Laminate these layers wet-in-wet</p>
<p>Big mold (23 mm thickness)</p>	<p>Gelcoat 1-2 layers CSM225 g/m² 2 layers CSM 450 g/m² 1 layer complex MX 600 g/m²/CSM 450 g/m² 1 layer Sphere.core SBC 8,0 mm 1 layer CSM 300 g/m² 1 layer Sphere.core SBC 8,0 mm 2 layers complex MX 600 g/m²/CSM 450 g/m²</p>	}	<p>Laminate these layers wet-in-wet</p>

++ For molds made in VIP, we offer Sphere.core SBC IP. Please contact us for more detailed information++



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