

## Description and Basic Properties

ES-1094-11 is a orthophthalic based, unsaturated polyester resin that is used for general purpose. It is elastic with a medium reactivity. The most common usage is the production of marbles by adding up filling materials in the proportion of 70-80%. Furthermore, it can be safely used in the production of cuvettes, sinks, kitchen counters, table edges-legs, buttons, ornaments etc.

Application Methods	Chemical Structure
Hand lay-up Casting	Acid : Orthophthalic Acceleration : No Reactivity : Medium

## Properties of Liquid Form

	Unit	Value	Method
<b>Appearance</b>	-	Transparent	-
<b>Viscosity<sup>1</sup></b>	cp	70-100	ISO 2555
<b>Monomer Content</b>	%	40 ± 3	ISO 3251
<b>Density</b>	g/cm <sup>3</sup>	1.12 ± 0.02	ISO 1675
<b>Acid Number</b>	mg KOH/g	25 ± 3	ISO 2114
<b>Gel Time<sup>2</sup></b>	min	2-4	ISO 584
<b>Shelf Life</b>	month	6	-
<sup>1</sup> Brookfield DV II, 25° C, 3 spd 10 rpm <sup>2</sup> 25° C, 0.25 ml Cobalt Octoate (6%) and 3 ml MEK-P (Butanox M50) for 100 g sample			



## Storage Conditions

It should be stored in a dry, clean and cool place (15-25 ° C) in closed packages. The shelf life of the product is valid for this temperature range and it should not be forgotten that it will shorten at high temperatures. Products with the same charge number and date must be stored together.

Another factor that affects the life of unsaturated polyester resins containing styrene is sunlight. Styrene must be polymerized in the sunlight and products that are considered to shorten the life of the product should be avoided from direct sunlight contact.

## More Information

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