

## Data Sheet

# PLASTRONFOAM C 40 PS - R

<b><u>Application:</u></b>	foaming agent for fine-celled foaming of thermoplastic polymers by extrusion and injection moulding, especially recommended for PS and styrol copolymers.  Active cell regulation for direct gassed systems, for a more uniform, fine-celled foam structure.  Faster decomposition as the C 40 PS.
<b><i>Active Ingredients:</i></b>	specially formulated endothermic multi-component system, based on sodium bicarbonate and citric acid derivatives
<b><i>Active Content:</i></b>	40%
<b><i>Carrier:</i></b>	PS-based, multi-component polymer blend
<b><i>Physiology:</i></b>	the raw materials used, correspond to the recommendations of the European Directives
<b><i>Supplied as:</i></b>	white, cylindrical granules

### **Technical Data:**

<b><i>Decomp. Start:</i></b>	>150°C ( max. 160°C in the feeding zone, to avoid predecomposition of the foaming agent )
<b><i>Processing Temp.:</i></b>	for a optimum gas yield, a processing temperature between 190°C and 230°C is recommended

### **Dosage:**

<b><i>Extrusion:</i></b>	chemical foaming:	0.5 – 2.0%
	direct gassing:	0.1 – 1.0%
<b><i>Injection moulding:</i></b>	weight reduction:	0.8 – 2.5%
	sink mark removal:	0.2 – 0.5

The information given in this data sheet is based on many years of practical experience. Nevertheless can it only be a recommendation and a basis for practical testing, where the optimum dosage has to be determined individually.

All information given herein is only a recommendation. Its use shall remain the sole responsibility of the customer. No patent guarantee whatsoever shall be implied.