

Styropor® P 24 Speed

New packaging product with reduced intermediate conditioning and moulding cycle times

With its new Styropor® P 24 Speed packaging material, BASF offers a complement to the long-standing, multipurpose Styropor® P 26. Thanks to reduced cycle and intermediate ageing times, Styropor® P 24 Speed is especially suitable for food packaging and a wide range of other technical applications.

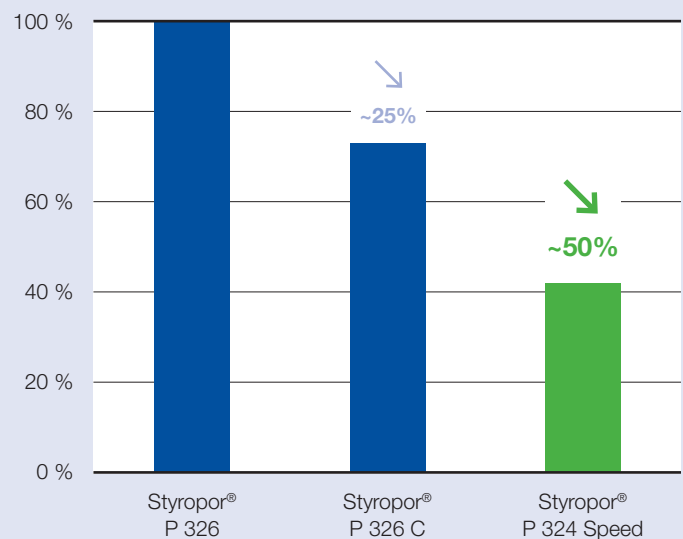
Product advantages:

- Very short cycle and intermediate ageing times
- Low pentane content of ~4.8%
- Reduced VOC emissions

Additional characteristics:

- Approved for food contact
- High mechanical resistance
- Excellent flexural and compressive strength
- Excellent fusion properties
- Smooth surface finish
- Without flame retardant

Relative compression release times with average evaporation pressure and density of 25 g/l



BASF laboratory results

Bead sizes Styropor® P 24 Speed

Product	Bead size range	Sieve analysis	
Styropor® P 224 Speed	1.0-1.3 mm	> 1.4 mm	max. 1 %
		0.7-1.4 mm	min. 98 %
		< 0.7 mm	max. 1 %
Styropor® P 324 Speed	0.7-1.0 mm	> 1.12 mm	max. 3 %
		0.5-1.0 mm	min. 94 %
		< 0.5 mm	max. 3 %
Styropor® P 424 Speed	0.4-0.7 mm	> 0.8 mm	max. 5 %
		0.3-0.8 mm	min. 92 %
		< 0.3 mm	max. 3 %

Usual bulk densities Styropor® P 24 Speed

Product	Usual bulk density range	Recommended intermediate ageing time	Bulk density achievable in single pre-expansion
Styropor® P 224 Speed	16-30 kg/m ³	10-48 h	16 kg/m ³
Styropor® P 324 Speed	18-35 kg/m ³	10-48 h	18 kg/m ³
Styropor® P 424 Speed	22-40 kg/m ³	10-48 h	22 kg/m ³

Applications:

For the efficient production of technically superior foams in the medium to high density range, for example:

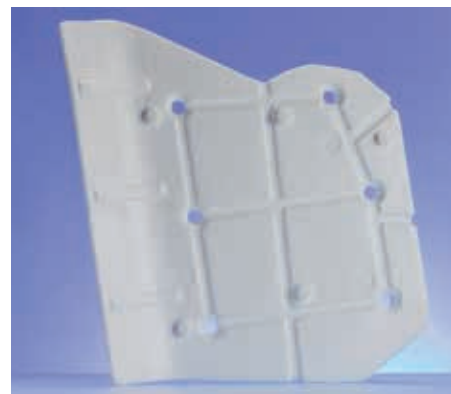
- Thin-walled technical mouldings
- Food packaging
- Refrigerated boxes
- Blocks



Refrigerated box



Technical moulding



Technical moulding

Note:

The information provided in this publication is based on our current knowledge and experience. In view of the many factors that can influence the processing and use of our product, it does not free users from the obligation to carry out tests and trials of their own. Neither does this data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. All descriptions, drawings, photographs, data, ratios, weights, etc. contained in this publication may change without prior notice and do not represent contractually agreed properties of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.