

Styrolux® 693D

SB

INEOS Styrolution

Styrolux® 693D comprises of clear styrene butadiene copolymer. The grade has in general an intrinsic toughness, is easy to process and works as modifier and compatibilizer not only in polystyrene but in many other polymers, e.g. polyolefins. For Styrolux® 693D food contact statements are available upon request. Styrolux® 693D is showing balanced properties in terms of toughness and clarity. It is mainly used for thermoformed articles, especially in blends with general-purpose polystyrene. 693D contains a microcrystalline wax in order to provide anti-blocking properties in processing, which on the other hand decreases the printability.

流变性能	数值	单位	试验方法
ISO数据			
熔体体积流动速度, MVR	12	cm³/10min	ISO 1133
温度	200	°C	-
载荷	5	kg	-

机械性能	数值	单位	试验方法
ISO数据			
拉伸模量	1300	MPa	ISO 527
屈服应力	22	MPa	ISO 527
屈服伸长率	2.2	%	ISO 527
名义断裂伸长率	>50	%	ISO 527
简支梁缺口冲击强度, +23°C	2.9	kJ/m²	ISO 179/1eA

热性能	数值	单位	试验方法
ISO数据			
热变形温度, 1.80 MPa	59	°C	ISO 75-1/-2
热变形温度, 0.45 MPa	72	°C	ISO 75-1/-2
维卡软化温度, 50°C/h 50N	48	°C	ISO 306

其它性能	数值	单位	试验方法
ISO数据			
吸水性	0.07	%	类似ISO 62
密度	1010	kg/m³	ISO 1183

加工推荐 (注塑)	数值	单位	试验方法
注塑熔体温度	180 - 250	°C	-
模具温度	20 - 40	°C	-

特征

加工方法

注塑, 薄膜挤出成型, 片材挤出成型, 其它挤出成型, 吹塑

供货形式

粒料

注塑

As a rule, the Styrolux® granules do not have to be pre-dried. However, in the event of unfavorable storage or transportation conditions involving severe temperature fluctuations, moisture can condense on the surface of the granules and this then has to be removed in a pre-drying step. The granules should be pre-dried in a dry-air dryer for 3 to 4 hours at a temperature of about 50°C.

PROCESSING

Melt temperature, range: 180 - 250°C

Mold temperature, range: 30 - 40°C

薄膜挤出成型

PROCESSING

Blown film, Melt temperature: 180°C

Flat film, Melt temperature: 190 - 230°C

其它挤出成型

PROCESSING

Pipes, Melt temperature: 230°C

板材挤出成型

PROCESSING

Sheets, Melt temperature: 190°C