

Styrolux® 3G55

SB

INEOS Styrolution

Styrolux® 3G55 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® 3G55 food contact statements are available upon request. Styrolux® 3G55 is mainly in sheet extrusion and thermoforming applications. It shows a high performance in blends with general-purpose polystyrene, providing parts with an excellent balance of transparency and toughness. Due to its tendency of blocking, 3G55 is mainly used in inline thermoforming. 3G55 is difficult to print and decorate since it contains a microcrystalline wax.

流变性能	数值	单位	试验方法
ISO数据			
熔体体积流动速度, MVR	14	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	900	MPa	ISO 527
屈服应力	16	MPa	ISO 527
屈服伸长率	2	%	ISO 527
名义断裂伸长率	>50	%	ISO 527
简支梁缺口冲击强度, +23°C	80	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	51	°C	ISO 75-1/-2
热变形温度, 0.45 MPa	62	°C	ISO 75-1/-2
维卡软化温度, 50°C/h 50N	35	°C	ISO 306
1.5mm名义厚度时的燃烧性	HB	class	UL 94
测试用试样的厚度	1.5	mm	-
UL注册	是的	-	-
厚度为h时的燃烧性	HB	class	UL 94
测试用试样的厚度	3.0	mm	-
UL注册	是的	-	-

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

特征

加工方法

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

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