+135-3858-6433 (GuangDong)
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INEOS Styrolution

ALBIS

Styrolux® 3G46

SB

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Styrolux® 3G46 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® 3G46 food contact statements are available upon request. Styrolux® 3G46 is specifically designed for sheet- and film-extrusion and thermoformed articles. It shows a high performance in blends with general-purpose polystyrene, providing parts with an excellent balance of transparency and toughness. Styrolux® 3G46 is also offered for medical applications and is Gamma, X-ray & ETO sterilizable.

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	1500	MPa	ISO 527
屈服应力	27	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	1.5	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	62	°C	ISO 75-1/-2
热变形温度, 0.45 MPa	76	°C	ISO 75-1/-2
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	1020	kg/m³	ISO 1183

流变计算用参数	数值	单位	试验方法
ISO数据			
熔体	0.16	W/(m K)	-
熔体的比热	2300	J/(kg K)	-
喷射温度	71	°C	-

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	30 - 50	°C	-

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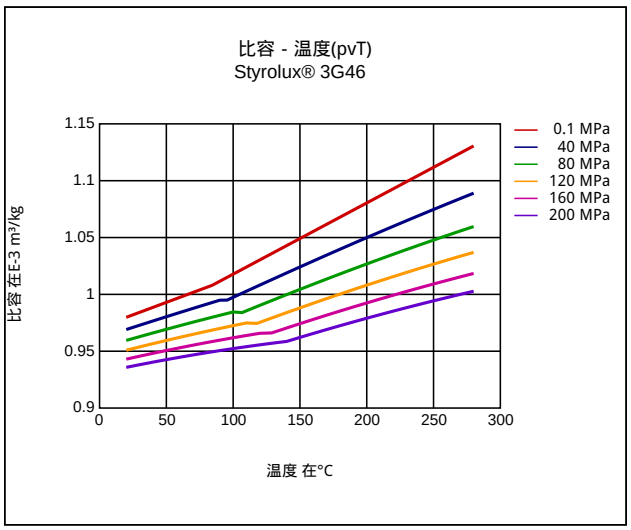
函数

比容 - 温度(pvT)



特征

加工方法
注塑, 薄膜挤出成型, 片材挤出成型, 吹塑

供货形式
粒料

特殊性能
消毒, 环氧乙烷灭菌(EtO), Gamma irradiation sterilization

耐化学试剂
抗辐射性

生态估价
医用级, Biocompatibility ISO 10993, US药物六级认证, Drug Master File, Long term supply assurance, 食物接触声明, 10/2011认证, FDA 21 CFR认证

应用
药物

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 - 50°C

薄膜挤出成型
PROCESSING

Flat film, Melt temperature: 190 - 230°C