

Styroflex® 2G66

SB

INEOS Styrolution

Styroflex® 2G66 is a thermoplastic elastomer from clear styrene butadiene copolymers (S-TPE), which is more polar than comparable SBS or SEBS grades. The grade provides a very high puncture resistance to foils in multilayer applications and increases as additive the toughness of compounds. It is easy to process and works as modifier and compatibilizer in many polymers, e.g. polyolefins. For Styroflex® 2G66 food contact statements are available upon request. Styroflex® 2G66 is suitable for extrusion (blown and cast film) and injection molding and offers a combination of high resilience and toughness with good transparency and process stability. Styroflex® 2G66 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	13	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	70	MPa	ISO 527
简支梁缺口冲击强度, -30°C	2	kJ/m²	ISO 179/1eA
肖氏硬度A, 3s	86	-	ISO 868

热性能	数值	单位	试验方法
ISO数据			
维卡软化温度, 50°C/h 50N	39	°C	ISO 306

电性能	数值	单位	试验方法
ISO数据			
相对介电常数, 100Hz	2.5	-	IEC 62631-2-1

其它性能	数值	单位	试验方法
ISO数据			
吸水性	0.07	%	类似ISO 62
吸湿性	0.07	%	类似ISO 62
密度	998	kg/m³	ISO 1183

机械性能(薄膜)	数值	单位	试验方法
ISO数据			
埃尔曼多夫撕裂强度, 平行	660	N	ISO 6383-2
埃尔曼多夫撕裂强度, 垂直	816	N	ISO 6383-2
浑浊率	10	-	ISO 14782

流变计算用参数	数值	单位	试验方法
ISO数据			
熔体密度	890	kg/m³	-
熔体	0.19	W/(m K)	-
熔体的比热	2310	J/(kg K)	-
喷射温度	96	°C	-

加工推荐 (注塑)	数值	单位	试验方法
注塑熔体温度	190 - 220	°C	-
模具温度	30 - 50	°C	-

特征

加工方法

注塑, 薄膜挤出成型, 异型材挤出成型, 模压/烧结成型

供货形式

粒料

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

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特殊性能

消毒

注塑

As a rule, the Styroflex® 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.

薄膜挤出成型

PROCESSING

Blown film, Melt temperature: 170 - 190°C

Flat film, Melt temperature: 170 - 240°C
