

ESTALUX 9206

Methyl Methacrylate / ABS

Cossa Polimeri S.r.l.

Message:

The typical impact properties of the ABS and the excellent transparency of the PMMA find a perfect balance in the two new grades Estalux : 9202 A - 9206 A

The compounds Estalux 9202 e 9206 have been developed for biomedical applications, the both respect the class VI USP (US pharmacopeia) and are in line with the European Pharmacopeia cap. 3.2.2. for the Acidity test, reducing substances and absorbance as far as there is no migration of additives if utilized as container for solutions dedicated to pharmaceutical use.

With the compounds Estalux for biomedical and pharmaceutical application it's possible to produce fittings, disposables, containers and components for medical devices.

General Information			
Uses	Medical devices		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	6.0	g/10 min	ASTM D1238
220°C/21.6 kg	38	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1950	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	43.0	MPa	ASTM D638
Fracture	30.0	MPa	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus	1800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	102	°C	ASTM D1525 ¹
--	90.0	°C	ASTM D1525 ²
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		UL 94
3.20 mm	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 - 240	°C	
Mold Temperature	40.0 - 60.0	°C	
Injection Rate	Moderate		

Injection instructions

Injection Pressure - Medium

NOTE

- | | |
|----|---------------------------|
| 1. | 标准 B (120°C/h), 压力1 (10N) |
| 2. | 标准 B (120°C/h), 载荷2 (50N) |

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