ESTALENE EN 10 EC

Polyolefin

Cossa Polimeri S.r.l.

Message:

Estalene EN is a compounds range formulated to be used for the injection or extrusion molding of synthetic corks and it is made without SIS, SBS, SEBS rubbers. Estalene EN is patented by Cossa Polimeri.
The elastic behavior of Estalene EN is obtained with a belnd of modified polyolefins. The product is studied in order to imitate the aspects of natural cork also in its superficial defects.
To have the best performances we suggest the use of Estalene EN matched with an expanding agent (i.e. Estafoam 13 STO) that allows to obtain cells extrememly compact and very well distributed.
The cork made of Estalene EN are equivalent to the traditional ones, concerning weight, functional and aesthetic aspects. The raw material used to produce Estalene EN are suitable for food contact. Estalene EN is certified according to FDA standards.

General Information	
Features	High elasticity Compliance of Food Exposure
Uses	Synthetic cork
Agency Ratings	FDA not rated
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920 - 0.940	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0 - 12	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Hardness	88.0 - 92.0		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	> 6.00	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Injection	**Nominal Value**	**Unit**	
Hopper Temperature	140 - 150	°C	
Rear Temperature	145 - 155	°C	
Middle Temperature	150 - 160	°C	
Front Temperature	155 - 165	°C	
Processing (Melt) Temp	145 - 165	°C	
Mold Temperature	20.0 - 40.0	°C	
Injection Rate	Fast		

Injection instructions
Injection Pressure: according to article dimensionsPost Pressure: as low as possibleBack Pressure: average to low

Recommended distributors for this material

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