

# ESTACARB 1001

Polycarbonate

Cossa Polimeri S.r.l.

## Message:

ESTACARB 1001 is a Polycarbonate (PC) product. It is available in Europe. Applications of ESTACARB 1001 include appliances, electrical/electronic applications and furniture.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
Features	General Purpose		
	High Impact Resistance		
Uses	Appliances		
	Electrical/Electronic Applications		
	Furniture		
	General Purpose		
Appearance	Clear/Transparent		
	Opaque		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	62.0	MPa	
Break	60.0	MPa	
Tensile Elongation (Break)	> 50	%	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	500	J/m	
23°C	600	J/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	150	°C	ASTM D1525 <sup>1</sup>
--	144	°C	ASTM D1525 <sup>2</sup>

Ball Indentation Temperature	135	°C	IEC 60335-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-2		
3.20 mm	V-2		
Glow Wire Ignition Temperature (2.00 mm)	850	°C	IEC 60695-2-13
NOTE			
1.	Rate A (50°C/h), Loading 1 (10 N)		
2.	Rate A (50°C/h), Loading 2 (50 N)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

