L MODEL

L MODEL		
D	**R**	**MATERIAL**
2,2	4	L
2,5	5	A/L
3,2	6	A/L/D/N
4,3	8	A/L/D
5,3	10	A/L/D

standards "L" lengths in mm													
1	**2**	**3**	**4**	**5**	**8**	**10**	**12**	**15**	**18**	**20**	**25**	**30**	**35**	**40**
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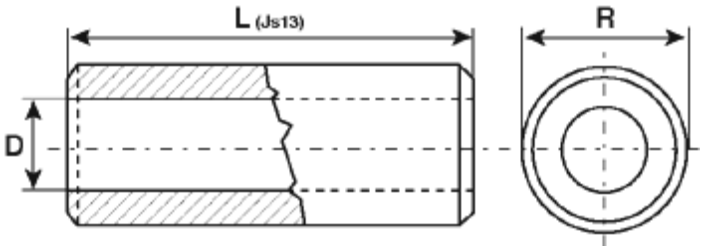
Materials :	**Treatments :**
A : Steel S300PB L : Brass CuZn39Pb2 I : Stainless steel 303 D : Delrin POM N : Moulded Polystyrène	Dichromate zinc plated (Zn3C) Nickel plated (Ni3bk)



How to build the article N° (example) :	
Model : Materials : D : R : L :	L A (Acier) 4,3 (Rd 4,3) 80 (Rd 8) 35 LA4380-35

Polystyrol 495 F

SB BASF

Product Texts

Polystyrol 495 F is a high flow, high impact polystyrene with a good heat resistance and a high stiffness.

Rheological properties	Value	Unit	Test Standard
CAMPUS/ISO Data			
Melt volume-flow rate	**9.5**	cm³/10min	ISO 1133
Temperature	**200**	°C	ISO 1133
Load	**5**	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
CAMPUS/ISO Data			
Tensile Modulus	**2000**	MPa	ISO 527-1/-2
Yield stress	**26**	MPa	ISO 527-1/-2
Yield strain	**1.5**	%	ISO 527-1/-2
Nominal strain at break	**40**	%	ISO 527-1/-2
Charpy impact strength (+23°C)	**N**	kJ/m²	ISO 179/1eU
Charpy impact strength (-30°C)	**130**	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	**17**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
CAMPUS/ISO Data			
Temp. of deflection under load (1.80 MPa)	**85**	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	**89**	°C	ISO 75-1/-2
Vicat softening temperature (50°C/h 50N)	**88.5**	°C	ISO 306
Coeff. of linear therm. expansion (parallel)	**1**	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Burning Behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.0**	mm	IEC 60695-11-10

Electrical properties	Value	Unit	Test Standard
CAMPUS/ISO Data			
Relative permittivity (100Hz)	**2.5**	-	IEC 60250
Relative permittivity (1 MHz)	**2.5**	-	IEC 60250
Dissipation factor (100 Hz)	**4**	E-4	IEC 60250
Dissipation factor (1 MHz)	**4**	E-4	IEC 60250
Comparative tracking index	**500**	-	IEC 60112

Other properties	Value	Unit	Test Standard
CAMPUS/ISO Data			
Density	**1030**	kg/m³	ISO 1183

Rheological calculation properties	Value	Unit	Test Standard
CAMPUS/ISO Data			
Density of melt	**935**	kg/m³	-
Thermal conductivity of melt	**0.165**	W/(m K)	-
Spec. heat capacity melt	**2290**	J/(kg K)	-
Ejection temperature	**88**	°C	-

Characteristic

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa, India

Processing

Injection Molding

Other text information

Injection molding

PROCESSING
injection molding, Melt temperature, range: 180 - 260 °C
injection molding, Melt temperature, recommended: 220 °C
injection molding, Mold temperature, range: 10 - 60 °C
injection molding, Mold temperature, recommended: 40 °C

Polystyrol 495 F can be injection moulded under different conditions depending on machinery available and articles moulded. Mass temperature can be as high as 260°C. Polystyrol 495 F is suitable for gas assisted injection moulding.