


 Organizzazione con sistema  
 di gestione della qualità  
 certificato **ISO 9001**

 Organizzazione con sistema  
 di gestione della sicurezza  
 certificato **ISO 45001**

## TECHNICAL DATA SHEET – POM C

### Product characteristics

- Good chemical resistance
- High dimensional stability
- Suitable for contact with foodstuffs according to (EC) No. 1935/2004

### Product applications

- Food processing industry

	Test method	Unit	Value
<b>General proprieties</b>			
Density	DIN EN ISO 1183-1	g/cm <sup>3</sup>	1,41
Water adsorption	DIN EN ISO 62	%	0,2
Flammability (th. 3-6 mm)	UL 94		HB / HB
<b>Mechanical proprieties</b>			
Yield stress	DIN EN ISO 527	MPa	67
Elongation at break	DIN EN ISO 527	%	30
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2800
Notched impact strength	DIN EN ISO 179	kJ/m <sup>2</sup>	6
Shore hardness	DIN EN ISO 868	Scale D	81
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	165
Thermal conductivity	DIN 52612-1	W / (m*k)	0,31
Thermal capacity	DIN 52612	KJ / (kg*k)	1,50
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> k / K	110
Service temperature, short term (max)	Average	°C	140
Service temperature, long term	Average	°C	-50....100
Heat deflection temperature	DIN EN ISO 75, Verf. A, HDT	°C	110
<b>Electrical properties</b>			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10 <sup>13</sup>
Dielectric dissipation factor (50Hz)	IEC 60250		0,002
Dielectric constant	IEC 60250		3,8
Comparative tracking index	IEC 60112		600
Dielectric strength	IEC 60243	kV /mm	40
Surface resistivity	DIN EN 62631-3-2	Ω	10 <sup>13</sup>

### PLANOPLAST SRL

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