


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

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

## TECHNICAL DATA SHEET – PC GREZZO

### Product characteristics

- High hardness
- Good electrical insulating properties
- Low moisture absorption

### Product applications

- Electronics
- Mechanical Engineering Industry

	Test method	Unit	Value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g/cm <sup>3</sup>	1,20
Water adsorption	DIN EN ISO 62	%	0,2
Flammability (th. 3-6 mm)	UL 94		HB/HB
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	65
Elongation at break	DIN EN ISO 527	%	80
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2300
Notched impact strength	DIN EN ISO 179	kJ/m <sup>2</sup>	20
Shore hardness	DIN EN ISO 868	Scale D	82
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	-
Thermal conductivity	DIN 52612-1	W / (m * K)	0,21
Thermal capacity	DIN 52612	KJ / (kg * K)	1,20
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> /k	70
Service temperature, short term (max)	Average	°C	140
Service temperature, long term	Average	°C	-40...115
Heat deflection temperature	DIN EN ISO 75, Verf.A, HDT	°C	135
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3
Dielectric dissipation factor (10 <sup>6</sup> Hz)	IEC 60250		0,001
Comparative tracking index	IEC 60112		275
Dielectric strength	IEC 60243	kV / mm	30
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10 <sup>15</sup>
Surface resistivity	DIN EN 62631-3-2	Ω	10 <sup>15</sup>

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