

CF-PA12 Pellet Technical Data Sheet(TDS)

MECHANICAL PROPERTIES

Property	Method	Value	
		XY	Z
Flexural Strength, Dry	ISO 178,MPTS ISO 3167 A	104MPa	75MPa
Flexural Modulus, Dry	ISO 178,MPTS ISO 3167 A	4000MPa	1700MPa
Charpy Impact Strength, Dry	ISO 179 1eU,MPTS ISO 3167 A	55kJ/m ²	14kJ/m ²

THERMAL PROPERTIES

Property	Method	Value
Heat Deflection Temperature, HDT A	ISO 75,MPTS ISO 3167 A	195° C
Continuous Service Temperature, 20h	UL 746B,MPTS ISO 3167 A	110° C

ELECTRICAL PROPERTIES

Property	Method	Value
Insulation Resistance, Strip Electrode, R_{25}	DIN IEC 60167,MPTS ISO 3167 A	$\leq 10^{12}\Omega$
Surface Resistance, R_{0B}	DIN IEC 60093,Ronde 60x4 mm	$<10^{12}\Omega$

OTHER PROPERTIES

Property	Method	Value
Density	ISO 1183,MPTS ISO 3167 A	1.13g/cm ³
Water Absorption, 23° C/24h	MPTS ISO 3167 A	<0.1%
Linear Mold Shrinkage, VSR 3mm	DIN 16901,MPTS ISO 3167 A	0.4-0.7 %