

CP30

PPCP,conductive, black

Property (dry as molded)	Condition	Value	Unit	Standard
General Properties				
Abbreviation	Density	Melt Flow Rate	-	ISO 1043
Molding Shrinkage	Moisture Content	-	0,97	g/cm ³
Moisture Absorption	2.16kg, 230°C	-	g/10'	ISO 1133
Mechanical Properties		Parallel / Normal	-	%
Stress at Break	-	-	%	Eurotec
Strain at Break	50% RH, 23 °C	-	%	ISO 15512
Tensile Modulus				
Yield Strength	+23°C	20	MPa	ISO 527
Izod Impact, notched	+23°C	-	%	ISO 527
Izod Impact, notched	+23°C	1250	MPa	ISO 527
Izod Impact, un-notched	+23°C	-	MPa	ISO 527
Izod Impact, un-notched	+23 °C	PB	kJ/m ²	ISO 180/1A
Thermal Properties		-30 °C	kJ/m ²	ISO 180/1A
Melting Temperature	Heat Deformation	+23 °C	kJ/m ²	ISO 180/1U
Temperature	Heat Deformation	-30 °C	kJ/m ²	ISO 180/1U
Temperature Vicat Softening Temperature				
Electrical Properties & Flammability				
	10 K/min	160 - 165	°C	ISO 11357
Volume Resistivity	0.45 MPa	-	°C	ISO 75
Surface Resistivity	1.80 MPa	50	°C	ISO 75
Comparative Tracking Index	50N	-	°C	ISO 306
Glow Wire Flammability Index (GWFI)				
Glow Wire Ignitability Temperature (GWIT)				
Flame Rating	-	<1E+09	Ohm.cm	IEC 60093
Flame Rating	-	<1E+09	Ohm	IEC 60093
	solution A	-	V	IEC 60112
	2 mm plaque	-	°C	IEC 60695
	2 mm plaque	-	°C	IEC 60695
	0.75 mm	HB	-	UL94
	1.6 mm	HB	-	UL94

Processing Parameters				
Drying	-	°C / hr		
Feed Throat Temperature	<60	°C		
Processing Temperature	200 - 240	°C		
Mold Temperature	20 - 50	°C		
Hold Pressure	40 - 80	MPa		
Back Pressure	Low	-		
Injection Speed	Low - Medium	-		

All mentioned information in this technical data sheet present current knowledge and experience of Aboxplast. The data may not be valid when this product is used in combination with other materials such as pigments or additives. Please note that the data are given dry as molded values related to the mentioned material only. Naturally, these data do not guarantee certain values since they may vary on customers processing conditions, so they are provided for reference purposes only and should not be used alone to create specification limits and design basis. It is strongly recommended for customers to test the product under their own processing conditions and test facilities to determine the suitability for the required application and use.