



CHIMOPA[®] CP20-007

Description: PA6%70 - PA 66 % 30 GF 30 BLACK/SIYAH

For Injection Applications

Characteristics		Standard	Condition	Unit	Values
Physical Properties	Density	ISO 1183	-	g/cm ³	1.33-1,37
	Relative Viscosity (RV)	ISO 307	1% (m/v) in 96% (m/m) H ₂ SO ₄	RV	-
	Viscosity Number (VN)	ISO 307	0.5% (m/v) in 96% (m/m) H ₂ SO ₄	ml/gr	-
	Ash Content	ISO 3451	750°C 30 min	%	28-33
	Water Absorption	ISO 62	Saturation in Water 23 °C	%	≤ 0,2
	Water Absorption (Equilibrium Value)	ISO 62	50% RH, 23 °C	%	-
Mechanical Properties	Tensile Modulus	ISO 527-2	23 °C	MPa	<6500
	Young Modulus	ISO 527-2	23 °C	MPa	>7000
	Tensile Strength at Break	ISO 527-2	23 °C	MPa	>80
	Tensile Strength at Yield	ISO 527-2	23 °C	MPa	>70
	Elongation at Break	ISO 527-2	23 °C	%	min 2,0
	Elongation at Yield	ISO 527-2	23 °C	%	>1,5
	Flexural Modulus	ISO 178	23°C	MPa	>7000
	Flexural Strength	ISO 178	23 °C	MPa	-
	Charpy Notched	ISO 179	23 °C -30 °C	kJ/m ²	>6,0
	Charpy Un-notched	ISO 179	23 °C -30 °C	kJ/m ²	-
	Izod Notched Impact	ISO 180/A	23 °C -30 °C	kJ/m ²	-
	Izod Un-notched Impact	ISO 180/A	23 °C -30 °C	kJ/m ²	-



Processing Parameters	Pre-drying Temperature	-	-	°C	-
	Pre-drying Time	-	-	Hour	-
	Mould Temperature	-	-	°C	60-100
	Nozzle Temperature	-	-	°C	-
	Front Temperature	-	-	°C	-
	Medium Temperature	-	-	°C	-
	Back Temperature	-	-	°C	-
	Injection Pressure	-	-	Kg/cm ²	-
	Melting Temperature, DSC	ISO 11357-1/-3	-	°C	220
	Melt Temperature (For Processing)	-	-	°C	220-240
	Cylinder Settings	-	-	°C	220-260
	Screw Design	-	-	-	-
	Moulding Shrinkage (Parallel)	ISO 294-4	2 mm	%	-
	Moulding Shrinkage (Normal)	ISO 294-4	2 mm	%	-
	The material is delivered in moisture-proof packaging ready for processing. Maximum recommended water content for best processing is 0.10 %. Typical conditions with a desiccant drier: temperature 80 °C, dew point -20 °C or below, time 2-4 h or more.				
Thermal Properties	MFR/MFI (Melt Flow Rate)	ISO 1133	275 °C 2.16 kg	g / 10 min	-
	MVR (Melt Volume Rate)	ISO 1133	275 °C 2.16 kg	cm ³ /10 min	-
	VICAT	ISO 306	50 N - 50 °C/h	°C	-
	HDT A	ISO 75-2	1.80 MPa	°C	-
	HDT B	ISO 75-2	0.45 MPa	°C	-

**CHIMO**

In Quality We Trust!

Product Information

**CHIMO**

Flammability	Flame Rating	UL94	1.6 – 3.2 mm	Class	-
	GWFI	IEC 60695	1.5 mm	°C	-
	GWIT	IEC 60695	1.5 mm	°C	-
	Comparative Tracking Index (CTI)	IEC 60112	3 mm-Solution A	V	-
	Volume Resistivity	IEC 60093	-	ohm*m	-
	Surface Resistivity	IEC 60093	-	ohm	-

Please note that the mentioned technical properties in this document are averages obtained from tests made during production and are based on our standard laboratory procedures and conditions. Therefore, the results may vary under different procedures.



CHIMO

Document Rev.: 03 – March 2019

To find out more, please visit: www.Chimopolymers.com