

# Propylplus 703

Polypropylene

Fainplast Compounds S.r.l

## Message:

Propylplus is a range of polypropylene and halogen free compounds specially designed for those applications requiring superior thermo-mechanical properties, outstanding heat resistance and high electrical properties.

They can be used as primary insulation on multimedia, telecom, instrumentation wires, optical fiber cables and other applications where extremely thin wall thickness must comply with high performing properties.

General Information			
Features	Good Electrical Properties		
	High Heat Resistance		
Uses	Insulation		
	Wire & Cable Applications		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	49		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	25.0	MPa	ISO 527-2/50
Tensile Strain (Break)	700	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	104	°C	ISO 306/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (20°C)	> 1.0E+16	ohms · cm	ASTM D257
Dielectric Constant (1 MHz)	2.26		
Additional Information	Nominal Value	Unit	Test Method
Pressure Test (120°C)	< 50	%	IEC 60811
Head Temperature	230	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180	°C	
Cylinder Zone 2 Temp.	190	°C	
Cylinder Zone 3 Temp.	200	°C	
Cylinder Zone 4 Temp.	210	°C	
Die Temperature	240	°C	

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