

# Witcom PP H/2C

Polypropylene Homopolymer  
Witcom Engineering Plastics B.V.

Message:

Witcom PP H/2C is a Polypropylene Homopolymer (PP Homopolymer) product filled with 10% carbon fiber. It is available in Europe.  
Characteristics include:  
Flame Rated  
Conductive  
Homopolymer

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Features	Conductive  Homopolymer		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.70 to 1.0	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	0.040	%	
Equilibrium, 23°C, 50% RH	0.010	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 45.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0 to 5.0	%	ISO 527-2
Flexural Modulus	4500	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m <sup>2</sup>	ISO 180/1A
Unnotched Izod Impact Strength	30	kJ/m <sup>2</sup>	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	135	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+6	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210

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Recommended distributors for this material

# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

