




Material Datasheet 10

Trade Name : PP WH 1210	
Material : PP Copolymer	
Color No. : White	
RoHS Compliance	

Properties	Test Method	Test Condition	Unit	Typical Value
Physical				
Specific Gravity	ASTM D792		g/cm ³	0.95 - 0.99
Shrinkage			%	1.30 - 1.60
Water Absorption	ASTM D570	23°C	%	0.015 - 0.025
Rheological				
Melt Flow Index	ASTM D1238	200°C - 5kg	g/10min	14 - 16
Mechanical				
Tensile Strength	ASTM D638		kg/cm ²	260 - 280
Elongation at Yield	ASTM D638		%	8 - 10
Flexural Modulus	ASTM D790B		kg/cm ²	11000 - 13000
Izod Impact	ASTM D256	V-notched, 1/8"	kg.cm/cm	9 - 10
Thermal				
Heat Distortion Temp.	ASTM D648	Unannealed	°C	76 - 84
Flammability				
Flammability	UL 94	2.0mm (All Colors)		HB

Recommended Injection Molding Parameters

Barrel Temperature	Value	Mold Temperature	Value
Zone 1	160 - 230°C	Fixed Half	30 - 50°C
Zone 2	160 - 230°C	Moving Half	10 - 40°C
Zone 3	160 - 230°C	Injection Pressure	200 - 400 Bars
Zone 4	140 - 200°C	Hold on Pressure	20 - 80 Bars
Nozzle	160 - 230°C	Screw Back Pressure	10 - 50 Bars
		Screw Speed	50 - 200 RPM
		Drying Hour	2 (If necessary)
		Drying Temperature	70 - 80°C

The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. For further information, please contact or fax to Zinco Colours Technical Services Department.



Raw Materials



Finished Products

Paint Container



Household Container

