



## Material Datasheet 8

<b>Trade Name : Zincorene PP9050R</b>	
<b>Material : PP Copolymer</b>	
<b>Color No. : All Colors</b>	
<b>REACH N2580 Compliance</b>	

Properties	Test Method	Test Condition	Unit	Typical Value
<b>Physical</b>				
Specific Gravity	ASTM D792		g/cm <sup>3</sup>	0.95 - 0.99
Water Absorption	ASTM D570	23°C	%	0.015 - 0.025
<b>Rheological</b>				
Melt Flow Index	ASTM D1238	200°C - 2.16kg	g/10min	8 - 10
<b>Mechanical</b>				
Tensile Strength	ASTM D638		kg/cm <sup>2</sup>	220 - 240
Elongation at Yield	ASTM D638		%	5 - 7
Flexural Modulus	ASTM D790B		kg/cm <sup>2</sup>	14000 - 15000
Izod Impact	ASTM D256	V-notched, 1/8"	kg.cm/cm	20 - 22
<b>Thermal</b>				
Heat Distortion Temp.	ASTM D648	Unannealed	°C	76 - 84

### 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.



## Material Datasheet 9

<b>Trade Name : Zincorene PP9008R</b>	
<b>Material : PP Copolymer</b>	
<b>Color No. : All Colors</b>	
<b>REACH N2580 Compliance</b>	

Properties	Test Method	Test Condition	Unit	Typical Value
<b>Physical</b>				
Specific Gravity	ASTM D792		g/cm <sup>3</sup>	0.95 - 0.99
Shrinkage			%	1.30 - 1.60
Water Absorption	ASTM D570	23°C	%	0.015 - 0.025
<b>Rheological</b>				
Melt Flow Index	ASTM D1238	200°C - 5kg	g/10min	7 - 10
<b>Mechanical</b>				
Tensile Strength	ASTM D638		kg/cm <sup>2</sup>	260 - 280
Elongation at Yield	ASTM D638		%	8 - 10
Flexural Modulus	ASTM D790B		kg/cm <sup>2</sup>	11000 - 13000
Izod Impact	ASTM D256	V-notched, 1/8"	kg.cm/cm	9 - 12
<b>Thermal</b>				
Heat Distortion Temp.	ASTM D648	Unannealed	°C	76 - 84
<b>Flammability</b>				
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

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## Competitive Advantages

We are committed to high standards of Environmental, Health and Safety (EHS) performance across our business. Our goal is to protect humans, minimize harm to the environment and contribute towards sustainable waste management through recycling.

Our PP sources are mainly from industrial waste in Japan which are cleaner, more reliable and consistent.

Some rejected product samples were collected directly from the factory.

**Rejected PP Household**



**PP Rollers**



**PP Jumbo Bag**



**PP Containers**





**PP Bottles**



**PP Pipes**



**PP Pallets**





## Finished Product

### BOSCH - PP Tool Box

