

## PRODUCT DATA SHEET



## GRPLENE ICP-PP BLACK

### Product Description

Upcycled Polypropylene

### Product Applications

Paint Pails, Lubricant pails, Battery housing cover.

### General

Forms - Pellets  
Appearance/Color - Black  
Processing Method - Injection molding

| Properties                            | Typical Value | Unit    | Test Method |
|---------------------------------------|---------------|---------|-------------|
| Specific Gravity                      | 0.90          | -       | ASTM D -792 |
| Filler Content                        | ≤ 3           | %       | Inhouse     |
| Moisture Content                      | 0.05          | %       | Inhouse     |
| Melt flow index                       | 8-12          | g/10min | ASTM D-1238 |
| Tensile Strength                      | 22            | Mpa     | ASTM D-638  |
| Elongation at Yield                   | 5             | %       | ASTM D-638  |
| Flexural Modulus                      | 950           | MPa     | ASTM D-790  |
| Notched Izod Impact strength          | 150           | j/m     | ASTM D-256A |
| Heat Deflection Temperature @ 0.45MPa | 95            | °C      | ASTM D-648  |



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### Drying conditions

It is recommended to pre dry PP granules at 65-75 °C for 1-2 Hrs.

### Note

All Properties measured at 23 Deg. / 50% RH. Only typical data for material selection purposes only. Users have to establish material suitability. The information & data presented herein are to the best of our knowledge. No warranty or guarantee expressed or implied is made regarding performance. The information and data are subject to change without prior intimation based on research and development work undertaken by the company.

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