

# PRODUCT DATA SHEET

| Product Category | Product Name        | Grade    |
|------------------|---------------------|----------|
| Polymers         | POLYETHYLENE – LDPE | 2100TN00 |

| Property                 | Test Method     | Unit     | Value  |
|--------------------------|-----------------|----------|--------|
| MFI (200 o c/5kg )       | ISO 1133        | g/10 min | 0.3    |
| Density                  | ISO 1183 (A)    | Kg/m3    | 921    |
| Haze                     | ASTM D 1003 (A) | %        | 15     |
| Clarity                  | DSM Method      | mV       | 56     |
| Gloss                    | ASTM D2457      | %        | 39±5   |
| Anti-Oxidant             | DSM Method      | ppm      | 600±60 |
| Anti-Block               | -               | ppm      | -      |
| Slip                     | -               | ppm      | -      |
| Impact Strength          | ASTM D4272      | kJ/m     | 35     |
| Tear strength TD         | ISO 6383-2      | KN/m     | 25     |
| Tear strength MD         | ISO 6383-2      | KN/m     | 20     |
| Yield Stress TD          | ISO R527-1      | MPa      | 11     |
| Yield Stress MD          | ISO R527-1      | MPa      | 12     |
| Tensile strength TD      | ISO R527-1      | MPa      | 26     |
| Tensile strength MD      | ISO R527-1      | MPa      | 29     |
| Elongation @ break TD    | ISO R527-1      | %        | >500   |
| Elongation @ break MD    | ISO R527-1      | %        | >200   |
| Modulus of elasticity TD | ISO R527-1      | MPa      | 190    |
| Modulus of elasticity MD | ISO R527-1      | MPa      | 180    |
| Co efficient of friction | ASTM D1894      | -        | 0.7    |

|             |                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------|
| Application | It is suitable for application in Shrink hoods, Industrial sacks, Heavy duty, carrier bags and liners. |
| Packaging   | 25 Kg plastic bag                                                                                      |