



**SIRJAN GOSTAR CO.**

## Product Data and Technical Information



**POLYMER TYPE:** POLYPROPYLENE HOMOPOLYMER



**GRADE NAME :** RG 1102 N



**PACKING :** PP bags of 25 kgs, 50 bags on a pallet shrieked by PE



**APPLICATION :** Cast films, lamination, injection molding articles



**PRODUCT FEATURES :** Homopolymer without film processing additive and suited for film laminations



**PROCESSING METHOD :** Extrusion

| Property                                | Test Method  | Unit     | Value |
|-----------------------------------------|--------------|----------|-------|
| MFR ( 230° C/ 2.16 Kg )                 | ASTM D1238/L | gr/10min | 11    |
| Tensile Modulus of Elasticity (1mm/min) | ASTM D638    | MPa      | 1550  |
| Tensile Strength at Yield (50 mm/min)   | ASTM D638    | MPa      | 35    |
| Elongation at Yield(50 mm/min)          | ASTM D638    | %        | 8     |
| Notched Charpy Impact at 23°            | ISO 179/ 1eA | KJ/m2    | 3     |
| Notched Charpy Impact at -30°           | ISO 179/ 1eA | KJ/m2    | 1.5   |
| Vicat Softening Point, 10N              | ASTM D1525   | °C       | 154   |
| Ball indentation hardness               | ISO 2039-1   | MPa      | 78    |
| HDT ( 0.46 N/mm2 )                      | ASTM D648    | °C       | 85    |
| Melting Point , DSC                     | ASTM D3417   | °C       | 163   |
| Density                                 | ASTM D792    | gr/cm3   | 0.91  |

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