

Product Data and Technical Information

POLYMER TYPE: POLYPROPYLENE HOMOPOLYMER

GRADE NAME : RG 1040 N

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

APPLICATION : : High stiffness thermoforming applications

PRODUCT FEATURES : Homopolymer contains nucleating agent and shows a good flowability and stiffness

PROCESSING METHOD : Extrusion

| Property | Test Method | Unit | Value |
|---|--------------|----------|-------|
| MFR (230° C/ 2.16 Kg) | ASTM D1238/L | gr/10min | 12 |
| Tensile Modulus of Elasticity (1mm/min) | ASTM D638 | MPa | 2000 |
| Tensile Strength at Yield (50 mm/min) | ASTM D638 | MPa | 40 |
| Elongation at Yield(50 mm/min) | ASTM D638 | % | 7 |
| 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 | 158 |
| Ball indentation hardness | ISO 2039-1 | MPa | 93 |
| HDT (0.46 N/mm2) | ASTM D648 | °C | 110 |
| Melting Point , DSC | ASTM D3417 | °C | 165 |
| Density | ASTM D792 | gr/cm3 | 0.91 |

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