



SIRJAN GOSTAR CO.

Product Data and Technical Information

-  **POLYMER TYPE:** POLYPROPYLENE HOMOPOLYMER
-  **GRADE NAME :** RG 1101 RC
-  **PACKING :** PP bags of 25 kgs, 50 bags on a pallet shrieked by PE
-  **APPLICATION :** Nonwovens spun bonded, BCF/CF, POY yarns, Injection moulding of articles
-  **PRODUCT FEATURES :** Homopolymer with very narrow MWD and resistance to gas fading
-  **PROCESSING METHOD :** Extrusion

Property	Test Method	Unit	Value
MFR (230° C/ 2.16 Kg)	ASTM D1238/L	gr/10min	22
Tensile Modulus of Elasticity(1mm/min)	ASTM D638	MPa	1500
Tensile Strength at Yield (50mm/min)	ASTM D638	MPa	34
Elongation at Yield (50 mm/min)	ASTM D638	%	9
Notched Charpy Impact at 23°	ISO 179/ 1eA	KJ/m2	4
Notched Charpy Impact at - 30°	ISO 179/ 1eA	KJ/m2	1.7
Vicat Softening Point, 10N	ASTM D1525	°C	154
Ball indentation hardness	ISO 2039-1	MPa	74
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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