



SIRJAN GOSTAR CO.

Product Data and Technical Information



POLYMER TYPE: POLYPROPYLENE HOMOPOLYMER



GRADE NAME : RG 1101 XP



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



APPLICATION : Bulk continuous filaments(BCF) and continuous filaments(CF) with higher resilience



PRODUCT FEATURES : Homopolymer with resistance to gasfading



PROCESSING METHOD : Extrusion

Property	Test Method	Unit	Value
MFR (230° C/ 2.16 Kg)	ASTM D1238/L	gr/10min	17
Tensile Modulus of Elasticity(1mm/min)	ASTM D638	MPa	1500
Tensile Strength at Yield (50mm/min)	ASTM D638	MPa	35
Elongation at Yield (50 mm/min)	ASTM D638	%	10
Notched Charpy Impact at 23°	ISO 179/ 1eA	KJ/m2	2.5
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	70
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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