



SIRJAN GOSTAR CO.

Product Data and Technical Information



POLYMER TYPE: POLYPROPYLENE HOMOPOLYMER



GRADE NAME : RG 1148 TC



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



APPLICATION : Thin walled packaging, dessert and yughurt cups, house wares



PRODUCT FEATURES : Homopolymer with high stiffness, good flow ability and low warpage



PROCESSING METHOD : Injection moulding

Property	Test Method	Unit	Value
MFR (230° C/ 2.16 Kg)	ASTM D1238/L	gr/10min	53
Tensile Modulus of Elasticity (1mm/min)	ASTM D638	MPa	1600
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/m ²	2
Notched Charpy Impact at -30°	ISO 179/ 1eA	KJ/m ²	1
Vicat Softening Point, 10N	ASTM D1525	°C	154
Ball indentation hardness	ISO 2039-1	MPa	80
HDT (0.46 N/mm ²)	ASTM D648	°C	95
Melting Point , DSC	ASTM D3417	°C	163
Density	ASTM D792	gr/cm ³	0.91

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