



SIRJAN GOSTAR CO.

Product Data and Technical Information



POLYMER TYPE: POLYPROPYLENE HOMOPOLYMER



GRADE NAME : RG 1148 UC



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



APPLICATION : Thinwalled packaging, dessert and yoghurt cups, housewares



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



PROCESSING METHOD : Injection moulding

Property	Test Method	Unit	Value
MFR (230° C/ 2.16 Kg)	ASTM D1238/L	gr/10min	75
Tensile Modulus of Elasticity (1mm/min)	ASTM D638	MPa	1700
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	35
Elongation at Yield(50 mm/min)	ASTM D638	%	7
Notched Charpy Impact at 23°	ISO 179/ 1eA	KJ/m2	2
Notched Charpy Impact at -30°	ISO 179/ 1eA	KJ/m2	1
Vicat Softening Point, 10N	ASTM D1525	°C	155
Ball indentation hardness	ISO 2039-1	MPa	83
HDT (0.46 N/mm2)	ASTM D648	°C	100
Melting Point , DSC	ASTM D3417	°C	163
Density	ASTM D792	gr/cm3	0.91

"The information in this publication is submitted without prejudice, and is based on our current knowledge and experience and on a limited number of tests.

In view of the many factors that may affect processing and application, these data do not relieve the receiver of this information from the responsibility of carrying out their own tests and experiments; neither do they imply and legally binding assurance of certain properties or of suitability for a specific purpose of the products made with or on the basis of the information in this publication."