

Product Data and Technical Information

POLYMER TYPE: POLYPROPYLENE HOMOPOLYMER

GRADE NAME : RG 1100 RC

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

APPLICATION : Furniture, thinwalled packaging, closures

PRODUCT FEATURES : Homopolymer with 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	23
Tensile Modulus of Elasticity (1mm/min)	ASTM D638	MPa	1500
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	34
Elongation at Yield(50 mm/min)	ASTM D638	%	8
Notched Charpy Impact at 23°	ISO 179/ 1eA	KJ/m ²	2.5
Notched Charpy Impact at -30°	ISO 179/ 1eA	KJ/m ²	1.5
Vicat Softening Point, 10N	ASTM D1525	°C	153
Ball indentation hardness	ISO 2039-1	MPa	72
HDT (0.46 N/mm ²)	ASTM D648	°C	85
Melting Point , DSC	ASTM D3417	°C	163
Density	ASTM D792	gr/cm ³	0.91

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