

**PETROPLAST  
JALILVAND.CO**



**петрупдоте жалилванд  
компания**

Exclusive Representative of selling shazand

Petrochemical Products in uzbekistan

## TECHNICAL SPECIFICATION

### *Polypropylene - Homopolymer - Injection Moulding*

<b>Grade</b>	RG1100N
<b>Applications</b>	General injection moulding, closures, housewares, furniture

<b>Typical Properties</b>	<b>Test Method</b>	<b>Unit</b>	<b>Spec.</b>
MFI (230°C, 2.16kg)	ASTM D1238/L	gr/10min	12
Tensile Modulus of Elasticity (1 mm/min)	ASTM D638	MPa	1550
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°C	ISO 179/1eA	kJ/m <sup>2</sup>	3
Notched Charpy Impact at -30°C	ISO 179/1eA	kJ/m <sup>2</sup>	1.5
Vicat Softening Point, 10N	ASTM D1525	°C	154
Ball Indentation Hardness	ISO 2039-1	MPa	78
HDT (0.46 N/mm <sup>2</sup> )	ASTM D648	°C	85
Melting Point, DSC	ASTM D3417	°C	163
Density	ASTM D792	gr/cm <sup>3</sup>	0.91

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