

**PETROPLAST  
JALILVAND.CO**



**петрупдосте жалилванд  
компания**

Exclusive Representative of selling shazand

Petrochemical Products in uzbekistan

## TECHNICAL SPECIFICATION

### *Polypropylene - Homopolymer - Injection Moulding*

<i>Grade</i>	RG1001M
<i>Properties</i>	High stiffness & stabilization.
<i>Applications</i>	High stiffness injection moulded parts, special extrusion applications.

<b>Typical Properties</b>	<b>Test Method</b>	<b>Unit</b>	<b>Spec.</b>
MFI (230°C, 2.16kg)	ASTM D1238/L	gr/10min	8
Tensile Modulus of Elasticity (1 mm/min)	ASTM D638	MPa	2000
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	39
Elongation at Yield (50 mm/min)	ASTM D638	%	7
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	158
Ball Indentation Hardness	ISO 2039-1	MPa	90
HDT (0.46 N/mm <sup>2</sup> )	ASTM D648	°C	109
Melting Point, DSC	ASTM D3417	°C	165

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