

ANALYSIS CERTIFICATE

Data Sheet RG 1102K

RG 1102K is a Polypropylene homo polymer for extrusion and thermoforming application . Extremely low water –carrying –over is a special advantage for the production of tapes.

Properties (typical values)

Properties	Unit	Test method	Value
Melt flow rate			
MFR 230/2.16	g/10min	ISO 1133	2.8~3.4
Mechanical properties			
Tensile modulus of elasticity (v=1 mm/min)	MPa	ISO 527-2	1500
Tensile yield stress (v=50mm/min)	MPa	ISO 527-2	34
Tensile yield strain (v=50mm/min)	%	ISO 527-2	9
Tensile strain at break (v=50mm/min)	%	ISO 527-2	>50
Charpy impact strength unnotched +23 °C	KJ/m ²	ISO 179/1eU	190
Charpy impact strength unnotched -20 °C	KJ/m ²	ISO 179/1eU	16.5
Charpy impact strength notched +23 °C	KJ/m ²	ISO 179/1eA	4.0
Charpy impact strength notched -30 °C	KJ/m ²	ISO 179/1eA	1.7
Ball indentation hardness (H 132/30 – H 358/30)	MPa	ISO 2039-1	74*
Thermal properties			
Melting point DSC	°C	ISO 3146	163
Heat deflection temperature			
- HDT/A (1.8 MPa)	°C	ISO 75-2	55
- HDT/B(0.45 MPa)	°C	ISO 75-2	85
Vicat softening temperature			
- VST/A50(10 N)	°C	ISO 306	154
- VST/B50 (50N)	°C	ISO 306	90
Other properties			
Density	g/cm ³	ISO 1183	0.91
Applications			
Thermoforemed parts,Tape Yarns, Monofilaments, Strapping			

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