

Product Data and Technical Information



POLYMER TYPE: Polypropylene Homopolymer Granule

GRADE NAME: RG 1104 K

APPLICATION: BOPP films-metallizable (Stenter Frame Process), general extrusion

PRODUCT FEATURES: Homopolymer with narrow MFR range and low taste & odor

PROCESSING METHOD: Extrusion

Property	Test Method	Unit	Value
MFR (230 °C/ 2.16 kg)	ASTM D1238/L	g/10min	2.8 – 3.4
Flexural Modulus	ASTM D790	MPa	1550
Tensile Modulus of Elasticity (1 mm/min)	ASTM D638	MPa	1500
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	34
Tensile Elongation at Yield (50 mm/min)	ASTM D638	%	9
Tensile Strength at Break (50 mm/min)	ASTM D638	MPa	23
Tensile Elongation at Break (50 mm/min)	ASTM D638	%	>50
Notched Charpy Impact at 23°C	ISO 179/ 1eA	kJ/m ²	4
Notched Charpy Impact at -30°C	ISO 179/ 1eA	kJ/m ²	1.7
Vicat Softening Point, 10N	ASTM D1525	°C	154
Ball indentation hardness	ISO 2039-1	MPa	74
Rockwell Hardness	ASTM D785	R Scale	92
HDT (0.46 N/mm ²)	ASTM D648	°C	85
Melting Point, DSC	ASTM D3417	°C	163
Density	ASTM D792	g/cm ³	0.91

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Regal Petrochemical & Industrial Complex