Product Data and Technical Information

POLYMER TYPE: Polypropylene Homopolymer Granule

GRADE NAME: RG 1102 XK

APPLICATION: Raffia, tape yarn, technical textiles, carpet backing, diary products

PRODUCT FEATURES: Homopolymer with low water carry over and preferred grade for tapes

PROCESSING METHOD: Extrusion

Property	Test Method	Unit	Value
MFR (230 ˚C/ 2.16 Kg)	ASTM D1238/L	g/10min	3.5 - 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	97
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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