

AKSAD GROUP PETROCHEM

1102 XK

POLYMER TYPE

POLYPROPYLENE HOMOPOLYMER

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

Properties	Test Method	Unit	Value
MFR (230° C/ 2.16 Kg)	ASTM D1238/L	gr/10min	4
Tensile Modulus of Elasticity (1mm/min)	ASTM D638	MPa	1500
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	34
Elongation at Yield(50 mm/min)	ASTM D638	%	9
Notched Charpy Impact at 23°	ISO 179/ 1eA	KJ/m2	4
Notched Charpy Impact at -30°	ISO 179/ 1eA	KJ/m2	1.7
Vicat Softening Point, 10N	ASTM D1525	°C	154
Ball indentation hardness	ISO 2039-1	MPa	74
HDT (0.46 N/mm2)	ASTM D648	°C	85
Melting Point , DSC	ASTM D3417	°C	163
Density	ASTM D792	gr/cm3	0.91

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