



## Technical Datasheet: 1102XL

### Product Description:

Polypropylene 1102 XL is a raffia grade polypropylene homopolymer with general extrusion additive package for extrusion applications.

### Applications:

Extrusion and injection moulding applications, raffia, tapes, monofilaments.

### Typical data:

Property	Test method	Unit	value
MFR ( 230° C/ 2.16 Kg )	ASTM D1238/L	gr/10min	5.5
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	3.5
Notched Charpy Impact at -30°	ISO 179/ 1eA	KJ/m2	1.5
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