

**TYPICAL APPLICATIONS**

- ◆ Tapes , monofilaments, and sheets
- ◆ Used for the production of housewares, toys, small appliance part, and components for automotive industry
- ◆ Used for the production of woven fabrics, tarpaulins, carpet backings, rope yarns, drinking straws, and stationary sheets

**KEY CHARACTERISTICS**

- ◆ Good processability
- ◆ Good Stiffness
- ◆ Food contact approval for specific applications (*refer to NATPET*)

**PROCESSING METHOD**

Tape and monofilament extrusion, sheet and profile extrusion and Injection Molding

**QUALITATIVE**

Test	Conditions	Method	Value	Unit
<b>Basic</b>				
Density		ISO 1183	0.90	g/cm <sup>3</sup>
Melt Flow Rate (MFR)	230°C/2.16 kg	ISO 1133	3.2	g/10-min
Melt Volume Flow Rate	230°C/2.16 kg	ISO 1133	4.3	cm <sup>3</sup> /10-min
Tensile Modulus	1-mm/min	ISO 527-1, -2	1,500	MPa
Tensile Stress at Yield	50-mm/min	ISO 527-1, -2	34.0	MPa
Tensile Strain at Break	50-mm/min	ISO 527-1, -2	> 50	%
Charpy un-notched Impact Strength	23 °C	ISO 179	170	kJ/m <sup>2</sup>
Charpy notched Impact Strength	23 °C	ISO 179	4	kJ/m <sup>2</sup>
Ball indentation hardness		ISO 2039-1	74	kJ/m <sup>2</sup>
<b>Thermal</b>				
Heat Deflection Temperature B	0.45 MPa Un-annealed	ISO 75B-1, -2	85	°C
Vicat Softening Temperature	A50 (50°C/h 10N)	ISO 306	154	°C
Vicat Softening Temperature	B50 (50°C/h 50N)	ISO 306	90	°C

Note: The above are typical data representing the product; not to be construed as analysis certificate or specifications

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