

TYPICAL APPLICATIONS

- ◆ Injection Molding
- ◆ Used for the production of house wares, toys, small appliance part, and components for automotive industry.
- ◆ Used for Raffia

KEY CHARACTERISTICS

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

PROCESSING METHOD

Injection Molding

QUALITATIVE

Test	Conditions	Method	Value	Unit
Basic				
<i>Density</i>		<i>ISO 1183</i>	0.90	<i>g/cm³</i>
<i>Melt Flow Rate (MFR)</i>	230°C/2.16 kg	<i>ISO 1133</i>	3.2	<i>g/10-min</i>
<i>Melt Volume Flow Rate</i>	230°C/2.16 kg	<i>ISO 1133</i>	4.3	<i>cm³/10-min</i>
<i>Tensile Modulus</i>	1-mm/min	<i>ISO 527-1, -2</i>	1,500	<i>MPa</i>
<i>Tensile Stress at Yield</i>	50-mm/min	<i>ISO 527-1, -2</i>	34.0	<i>MPa</i>
<i>Tensile Strain at Break</i>	50-mm/min	<i>ISO 527-1, -2</i>	> 50	<i>%</i>
<i>Charpy un-notched Impact Strength</i>	23 °C	<i>ISO 179</i>	170	<i>kJ/m²</i>
<i>Charpy notched Impact Strength</i>	23 °C	<i>ISO 179</i>	4	<i>kJ/m²</i>
<i>Ball indentation hardness</i>		<i>ISO 2039-1</i>	74	<i>kJ/m²</i>
Thermal				
<i>Heat Deflection Temperature B</i>	0.45 MPa Un-annealed	<i>ISO 75B-1, -2</i>	85	<i>°C</i>
<i>Vicat Softening Temperature</i>	A50 (50°C/h 10N)	<i>ISO 306</i>	154	<i>°C</i>
<i>Vicat Softening Temperature</i>	B50 (50°C/h 50N)	<i>ISO 306</i>	90	<i>°C</i>

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