

**TYPICAL APPLICATIONS**

- ◆ Thin-walled injection molding applications
- ◆ Toys, furniture, sport goods, leisure goods, Housewares, TWIM food containers

**KEY CHARACTERISTICS**

- ◆ Nucleated heterophasic copolymer
- ◆ Contains anti-static agent
- ◆ Excellent balance of good stiffness-impact with medium fluidity
- ◆ Food contact approval for specific applications (*refer to NATPET*)

**PROCESSING METHOD**

Injection molding

**QUALITATIVE**

Test	Conditions	Method	Value	Unit
<b>Basic</b>				
Density		ISO 1183	0.905	g/cm <sup>3</sup>
Melt Flow Rate (MFR)	230°C/2.16 kg	ISO 1133	21	g/10-min
Melt volume Flow Rate	230°C/2.16 kg	ISO 1133	28	cm <sup>3</sup> /10-min
<b>Mechanical</b>				
Tensile Modulus		ISO 527-1, -2	1,550	MPa
Tensile Stress at Yield		ISO 527-1, -2	27	MPa
Tensile Strain at Break		ISO 527-1, -2	> 50	%
Tensile Strain at Yield		ISO 527-1, -2	5	%
Charpy un-notched	23 °C, Type 1, Edgewise	ISO 179	No break	kJ/m <sup>2</sup>
	0°C, Type 1, Edgewise	ISO 179	125	kJ/m <sup>2</sup>
	-20 °C, Type 1, Edgewise	ISO 179	100	kJ/m <sup>2</sup>
Charpy notched	23 °C, Type 1, Edgewise, Notch A	ISO 179	6.0	kJ/m <sup>2</sup>
	0 °C, Type 1, Edgewise, Notch A	ISO 179	4.5	kJ/m <sup>2</sup>
	-20 °C, Type 1, Edgewise, Notch A	ISO 179	4.0	kJ/m <sup>2</sup>
<b>Thermal</b>				
Ductile/ Brittle transition temperature		ISO 6603-2	-60	°C

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