

## Thermylene® PT-20TC-E310

Asahi Kasei Plastics North America Inc. - Polyolefin

### General Information

#### Product Description

This is a Thermoplastic Olefin (TPO) compound designed for use in applications (E.g. Bumpers) requiring excellent low temperature impact (-40C ductile @ 2.2 m/s). This grade is designed for good aesthetics (anti-tiger stripping), good scratch/mar, and good exterior weathering.

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Talc, 20% Filler by Weight		
Features	• Good Scratch Resistance	• Good Weather Resistance	• Low Temperature Impact Resistance
Uses	• Automotive Bumper		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	2680	psi	ISO 527-2
Flexural Modulus	232000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F	4.2	ft·lb/in <sup>2</sup>	
73°F	29	ft·lb/in <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	122	°F	ISO 75-2

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

