



CANUCK  
COMPOUNDERS  
INC.

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## BK 8-8-4

### Automotive Grade UV Stabilized Black Thermoplastic PolyOlefin (TPO)

#### GENERAL

Material Status	Commercial: Active
Availability	North America
Forms	Pellets

#### PHYSICAL

Property (Condition)	Value Unit	Method
Melt Flow Rate (230 °C / 2.16 kg)	10.0 g/10 min	ASTM D1238
Density	0.94 g/cm <sup>3</sup>	ASTM D792
Shrinkage	1.50%	ASTM D955

#### MECHANICAL

Property (Condition)	Value Unit	Method
Tensile Strength @ Yield (23 °C)	15 Mpa	ISO 527
Tensile Elongation at break (%)	200%	ISO 527
Flexural Modulus (23 °C)	700 Mpa	ISO 178

#### THERMAL

Property (Condition)	Value Unit	Method
HDT @ 0.455 Mpa	60°C	ISO 75

#### IMPACT

Property (Condition)	Value Unit	Method
Notched Izod Impact (23 °C)	40 kJ/m <sup>2</sup>	ISO 180A
Gardner impact (-30 °C)	270 in-lb	ASTM D5420
Multiaxial Impact @ -30 °C	15 J	ASTM D3763

#### HARDNESS

Property (Condition)	Value Unit	Method
Durometer Shore D	60	ASTM D2240

Materials are tested at 23± 2°C and 50± 5% relative humidity unless otherwise noted.

#### RELATED TERMINOLOGY

Canuck manufactures a number of products with various terminologies and physical properties. The data above represents a basic Automotive Grade, Recycled Black Thermoplastic PolyOlefin.

#### Property Notes

This data represents typical properties, and should not be construed as specifications.

The data above is typical of Black material only.

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