

Exxtra™ Performance Polyolefin CNK010

Polypropylene, Compounded (TPO)

Product Description

A speciality thermoplastic polyolefin resin designed for injection or extrusion automotive applications with low melt and excellent low temperature impact.

General

Availability ¹	▪ Africa & Middle East	▪ Europe
Features	▪ Good Impact Resistance	▪ Low Flow
Uses	▪ Automotive Applications	
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Extrusion	
Revision Date	▪ 11/26/2014	

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	0.0915 in ³ /10min	1.50 cm ³ /10min	ISO 1133
Density	0.900 g/cm ³	0.900 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3630 psi	25.0 MPa	ISO 527-2
Tensile Strain at Yield	10 %	10 %	ISO 527-2
Tensile Modulus	167000 psi	1150 MPa	ISO 527-2
Flexural Modulus	160000 psi	1100 MPa	ISO 178
Flexural Stress	4500 psi	31.0 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength 73°F (23°C), Partial Break	13 ft·lb/in ²	27 kJ/m ²	ISO 180
Charpy Notched Impact Strength -4°F (-20°C), Complete Break	1.4 ft·lb/in ²	3.0 kJ/m ²	ISO 179
32°F (0°C), Complete Break	1.9 ft·lb/in ²	4.0 kJ/m ²	
73°F (23°C), Partial Break	12 ft·lb/in ²	25 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	118 °F	48.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	169 °F	76.0 °C	ISO 75-2/B

Legal Statement

This product is not intended for use in food contact application.

This product is not intended for use in medical applications and should not be used in any such applications.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

