

Exxtral™ Performance Polyolefin BNV004A

Polypropylene, Compounded (TPO)

Product Description

A speciality thermoplastic polyolefin resin characterized by a good stiffness/toughness balance, good surface finishing designed for automotive interior applications such as interior trims, UV stabilized

General

Features	▪ Balanced Stiffness/Toughness	▪ Good Processability	▪ Good Surface Finish
Uses	▪ Automotive Interior Parts	▪ Automotive Interior Trim	
Appearance	▪ Colors Available		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25 g/10 min	25 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR)	35 cm³/10min	35 cm³/10min	ISO 1133
Density	0.920 g/cm³	0.920 g/cm³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3350 psi	23.1 MPa	ISO 527-2
Tensile Strain at Yield	3.5 %	3.5 %	ISO 527-2
Flexural Modulus	206000 psi	1420 MPa	ISO 178
Flexural Stress	5080 psi	35.0 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength 73°F (23°C), Complete Break	3.5 ft-lb/in²	7.4 kJ/m²	ISO 180
Charpy Notched Impact Strength 73°F (23°C), Complete Break	3.8 ft-lb/in²	8.0 kJ/m²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	126 °F	52.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	199 °F	93.0 °C	ISO 75-2/B

