ExxonMobil

Exxtral™ Performance Polyolefin CNW001A

Polypropylene Impact Copolymer

Product Description

A specialty thermoplastic polyolefin resin

General

Features	▪ Good Stiffness	▪ High Flow
Uses	▪ Compounding	
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Compounding	

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.904	g/cm³	0.904	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	115	g/10 min	115	g/10 min	ExxonMobil Method
Melt Volume Rate (MVR) (230°C/2.16 kg)	9	in³/10min	153	cm³/10min	ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at Yield	4630	psi	31.9	MPa	ISO 527-2/50
Tensile Strain at Yield	3.4	%	3.4	%	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	268000	psi	1850	MPa	ISO 527-2
Flexural Modulus	263000	psi	1810	MPa	ISO 178

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact Strength					ISO 180
73°F (23°C), Complete Break	1.7	ft·lb/in²	3.5	kJ/m²	
Charpy Notched Impact Strength					ISO 179
73°F (23°C), Complete Break	1.5	ft·lb/in²	3.2	kJ/m²	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Heat Deflection Temperature (1.80 MPa)	135	°F	57.0	°C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	225	°F	107	°C	ISO 75-2/B