

EnduraSafe™ Composite 201

Properties	Test Method	Reprocessed LDPE Scrap	TB4-260B LDPE/Rubber Compound
Physical			
		Tested Value	Tested Value
Specific Gravity, g/cc (kg/m ³)	ASTM D 792	-	1.03
Water absorption (24 hours immersion)	ASTM D 570	-	-
Mold Shrinkage %	ASTM D 955	-	-
Mechanical			
Tensile Modulus, psi	ASTM D 638	-	-
Ultimate Tensile Strength, psi	ASTM D 638	1902 ¹	958 ¹
Tensile Break, psi	ASTM D 638	1814 ¹	941 ¹
Elongation @ Yield, %	ASTM D 638	50.51 ¹	50.66 ¹
Elongation @ Break, %	ASTM D 638	126 ¹	57 ¹
Flexural Modulus, psi	ASTM D 790	-	12,000
Flexural Strength, psi	ASTM D 790	-	604
Notched, Izod Impact, ft-lb/in	ASTM D 256		
@ 73°F (23°C)		No Break	No Break
@ (-30°C)		-	5.12 ²
Thermal			
Deflection Temperature Under Load, °F	ASTM D 648		
Unannealed @ 66 psi		-	88°F
Unannealed @ 264 psi		-	N/A
Rheological			
Melt Flow Rate (190°C / 2.16 kg) g/10 min.	ASTM D 789	-	-

¹ Test speed was 2 inches per minute w/ extensionometer

² Tested at -30 °C

Typically, data is generated from injection molded specimens made from materials representative of the compound to be supplied. Tests are conducted at 73°F and 50% relative humidity unless stated otherwise.

NOTE: These tests were performed using standardized conditions and methods. The data provided for these properties are typical values. However, many mechanical properties of thermoplastic materials can be influenced by process conditions, the environment, and the rate of the application of stress during testing. Therefore, these results should NOT be used alone as the basis of engineering design. Please contact a Technical Representative from Midland Compounding & Consulting to discuss this information.

Manufacturing in Partnership with Cobalt Holdings, LLC

