



LubriOne™ LB5210-0237 1B NATURAL

Polypropylene

Key Characteristics

Product Description

LubriOne™ Lubricated and Wear-Resistant Compounds have been specifically formulated to be self-lubricating materials, offering low coefficient of friction and improved wear resistance properties. LubriOne compounds have been demonstrated to reduce friction, noise, vibration, heat buildup and improve product durability.

General

Material Status	• Commercial: Active
Regional Availability	• North America
Features	• Lubricated • Wear Resistant
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.13	1.13	ASTM D792
Molding Shrinkage - Flow	1.0E-3 to 3.0E-3 in/in	0.10 to 0.30 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	600000 psi	4140 MPa	ASTM D638
Tensile Strength ² (Break)	10500 psi	72.4 MPa	ASTM D638
Flexural Modulus	702000 psi	4840 MPa	ASTM D790
Flexural Strength	16000 psi	110 MPa	ASTM D790

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	175 °F	79.4 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	370 to 450 °F	188 to 232 °C
Middle Temperature	380 to 460 °F	193 to 238 °C
Front Temperature	390 to 470 °F	199 to 243 °C
Nozzle Temperature	365 to 475 °F	185 to 246 °C
Mold Temperature	70.0 to 140 °F	21.1 to 60.0 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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