

# Neopor® GPS Smart Insulation CAN ULC S701



Neopor® GPS (Graphite Polystyrene) rigid insulation is today's energy-efficient and cost-effective insulation solution for architects, builders and contractors. The table shows actual test data and S701 compliance of **Neopor® GPS F5300 Plus** at 1"

Property	Unit	Neopor® GPS Plus		
		GPS+	GPS+	GPS+
Polystyrene type		GPS+	GPS+	GPS+
CAN ULC S701 Classification <sup>1)</sup>		Type 1	Type 2	Type 3
Compressive Resistance (ASTM D1621)	at yield of 10% deformation in kPa / psi (min)	70 / 10	110 / 16	140 / 20
Thermal Resistance (R-value) <sup>2)</sup>	(°C·m <sup>2</sup> /W) at 23°C for 25 mm / (F·ft <sup>2</sup> ·h/Btu) at 75°F for 1 inch	0.83 / 4.7	0.83 / 4.7	0.83 / 4.7
Water Vapor Permeance <sup>3)</sup> (ASTM E96)	Max (ng/Pa·s·m <sup>2</sup> ) / Perms	300 / 5.0	200 / 3.3	130 / 2.2
Water Absorption <sup>3)</sup> (ASTM D2842)	Max volume % absorbed	6.0 <sup>3)</sup>	4.0 <sup>3)</sup>	2.0 <sup>3)</sup>
Flexural Strength (ASTM C203)	kPa / psi (min)	170 / 24	240 / 35	300 / 44
Flame Spread Index (CAN/ULC S102.2)	Max	230	230	230
Limiting Oxygen Index (ASTM D2863)	Min	24	24	24

1) QAI Listing, B1055-2

2) R means resistance to heat flow. The higher the R-value, the greater the insulating power. Ask your seller for the fact sheet on R-values.

3) Max values per ULC S701 standard. Product properties may be lower.

4) The technical and physical metrics provided in this table are reference values for insulation products made of Neopor GPS. The values and properties may vary depending on how they are processed and produced.