

Basic properties of NEOMA™ Foam, NEOMA™ HD, and other foams

Property	Units	NEOMA™ Foam	NEOMA™ HD	Rigid PP	Expanded PS Class A 3
Density	kg/m ³	27	40	80	≤ 30
Thermal conductivity	W/m·K at 20°C	0.020	0.020	0.049	≥ 0.036
Bending strength	N/cm ²	45	75	-	≤ 45
Compressive strength	N/cm ²	17	22	62	≤ 16
Water absorbance	g/100 cm ²	1.7	≤ 1.0	-	≥ 1
Vapor permeability (25 mm thickness)	ng/m ² sPa	42	42	2.2	≥ 145

All values shown for NEOMA™ Foam and NEOMA™ HD are typical test values obtained by these methods, and represent no specification or warranty.

Test methods: JIS A 7521.....Density, compressive strength, water absorbance, vapor permeability

Test methods: JIS A 1412.....Thermal conductivity