



djP Foam II Typical Physical Properties

HCFC Free "Green" Polyiso Roof Insulation Panels for Hot Applications
 Polyiso core integrally laminated to heavy black (non-asphaltic), fiber-reinforced felt facers.

TYPICAL PHYSICAL PROPERTIES	TEST METHOD	TYPICAL RESULTS
Dimensional Stability (Length and Width)	ASTM D 2126	< 2 %
Compressive Strength (10% Deformation)	ASTM D 1621	20 lb/in ² OR 140 kPa
Water Absorption	ASTM C 209	< 1 %
	ASTM D 2842	< 3.5 %
Moisture Vapor Transmission	ASTM E 96	< 1.5 perm OR 85.0 ng/(Pa·s·m ²)
Product Density	ASTM D 1622	2.0 lb/ft ³ Nominal
Flame Spread	ASTM E 84 (Full 10 min. Test)	25-50**
Smoke Developed	ASTM E 84 (Full 10 min. Test)	50-170**
Tensile Strength	ASTM D 1623	> 730 lb/ft ² OR > 35 kPa
Service Temperature	-	-100 to 250 °F OR -73 to 122 °C

* The physical properties listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. This data is offered as a service to our customers and is subject to change.

** The numerical ratings as determined by ASTM Test Method E 84 are not intended to reflect hazards presented by this or any other material under actual fire conditions. A flame spread index of 75 or less meets code requirements regarding flame spread for foam plastic roof insulation. However, flame spread values are not required for foam plastic insulation used in roof deck constructions that comply as an assembly with FM 4450 or UL 1256 (see IBC, BOCA, SBCCI, and ICBO model building codes, Chapter 26). Smoke Developed values do not apply to roofing.