

Geon™ Vinyl Rigid Molding M4810

PVC

GEON Performance Solutions

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	2410	MPa	ASTM D 638
Tensile Strength at Yield	44.8	MPa	ASTM D 638
Elongation at Break	35	%	ASTM D 638
Flexural Modulus	2410	MPa	ASTM D 790
Flexural Strength	70.3	MPa	ASTM D 790
Shore D Hardness	82	-	ASTM D 2240
Izod Impact notched, 1/8 in	690	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	110	J/m	ASTM D 256
Temperature	0	°C	-
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	68.9	°C	ASTM D 648
DTUL @ 264 psi	67.2	°C	ASTM D 648
Optical properties			
ASTM Data			
Haze	4	%	ASTM D 1003
Light Transmittance	75	%	ASTM D 1003
Other properties			
Density	1300	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets

Special Characteristics

High impact or impact modified, Transparent

Certifications

Food contact, Food approval FDA 21 CFR, US Pharmacopeia Class VI Approved

Applications

General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa