



Novablend™ 6602

Rigid Polyvinyl Chloride

Key Characteristics

Product Description

Novablend 6602 is a rigid, opaque PVC for molding compounds. This product has high impact, excellent indoor/outdoor weathering, high flow, and good processing characteristics. Applications includes:

Electrical, Business machines, Telecommunications, Multi Purpose.

General

Material Status	• Commercial: Active
Regional Availability	• North America
Uses	• Outdoor Applications
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.35	1.35	ASTM D792
Molding Shrinkage - Flow	2.0E-3 to 5.0E-3 in/in	0.20 to 0.50 %	ASTM D955
Outdoor Suitability	f1	f1	UL 746C
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	355000 psi	2450 MPa	ASTM D638
Tensile Strength	6600 psi	45.5 MPa	ASTM D638
Tensile Elongation (Break)	32 %	32 %	ASTM D638
Flexural Modulus	365000 psi	2520 MPa	ASTM D790
Flexural Strength	10200 psi	70.3 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	12 ft-lb/in	640 J/m	ASTM D256A
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	81	81	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load ³ 66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	153 °F	67.2 °C	ASTM D648
Deflection Temperature Under Load ⁴ 66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	159 °F	70.6 °C	ASTM D648
Deflection Temperature Under Load ⁵ 264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	135 °F	57.0 °C	ASTM D648
Deflection Temperature Under Load ⁶ 264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	155 °F	68.3 °C	ASTM D648
RTI Elec ⁷	221 °F	105 °C	UL 746
RTI Elong ⁸	221 °F	105 °C	UL 746
RTI Str ⁸	221 °F	105 °C	UL 746
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating ⁹ (0.07 in (1.8 mm), All)	5VA	5VA	UL 94

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Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	390 to 400 °F	199 to 204 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I

³ 67 degr. C.

⁴ 71 degr. C.

⁵ 57 degr. C.

⁶ 68 degr. C.

⁷ 105 deg. C.

⁸ 105 degr. C.

⁹ Also UL 94 V-O @ 0.059 in thick.

CONTACT INFORMATION

Americas

United States - Avon Lake
+1 440 930 1000

United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260

China - Shenzhen
+86 755 2969 2888

China - Suzhou
+86 512 6823 24 38

China - Suzhou
+86 512 6265 2600

Hong Kong -
+852 2690 5332

Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0

Spain - Barbastro (Huesca)
+34 974 310 314



Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe

6 Giällewee
+352 269 050 35

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