

Novablend™ 6602

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

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 Information			
Uses	Outdoor Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Outdoor Suitability	f1		UL 746C
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2450	MPa	ASTM D638
Tensile Strength	45.5	MPa	ASTM D638
Tensile Elongation (Break)	32	%	ASTM D638
Flexural Modulus	2520	MPa	ASTM D790
Flexural Strength	70.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	640	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm ²	67.2	°C	
0.45 MPa, Annealed, 3.18 mm ³	70.6	°C	
1.8 MPa, Unannealed, 3.18 mm ⁴	57.0	°C	
1.8 MPa, Annealed, 3.18 mm ⁵	68.3	°C	
RTI Elec ⁶	105	°C	UL 746
RTI Elong ⁷	105	°C	UL 746
RTI Str ⁸	105	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating ⁹ (1.80 mm, All)	5VA		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 to 204	°C	
NOTE			
1.	Type I		

2.	67 degr. C.
3.	71 degr. C.
4.	57 degr. C.
5.	68 degr. C.
6.	105 deg. C.
7.	105 degr. C.
8.	105 degr. C.
9.	Also UL 94 V-O @ 0.059 in thick.

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