

# Novablend™ 5035

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Novablend™ 5035 is a Rigid Polyvinyl Chloride product. It can be processed by extrusion and is available in North America. Applications of Novablend™ 5035 include engineering/industrial parts and food contact applications.

Characteristics include:

- Flame Rated
- Food Contact Acceptable
- High Gloss

General Information			
Features	Food Contact Acceptable		
	High Gloss		
Uses	Profiles		
	Transparent or Translucent Parts		
Agency Ratings		FDA Food Contact, Unspecified Rating	
Appearance		Clear/Transparent	
Forms		Pellets	
Processing Method		Extrusion	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	3240	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	48.3	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	86.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	35	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 1.57 mm)	67.2	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating <sup>3</sup>	V-0		UL 94
Oxygen Index	30	%	ISO 4589-2
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Cell classification 12453(D-1784)		

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