



# Novablend™ 5035

## Rigid Polyvinyl Chloride

### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• North America
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

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.35	1.35	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	470000 psi	3240 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	7000 psi	48.3 MPa	ASTM D638
Flexural Modulus	400000 psi	2760 MPa	ASTM D790
Flexural Strength	12600 psi	86.9 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	0.65 ft·lb/in	35 J/m	ASTM D256A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed, 0.0620 in (1.57 mm)	153 °F	67.2 °C	ASTM D648
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating <sup>3</sup>	V-0	V-0	UL 94
Oxygen Index	30 %	30 %	ISO 4589-2

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type I, 0.20 in/min (5.1 mm/min)

<sup>3</sup> Cell classification 12453(D-1784)

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