

Nylene® PAC990-55

Polymeric Resources Corporation (PRC) - *Polyamide 6/69 Copolymer*

General Information

Product Description

- Lower melt point compared to nylon 6 = lower processing temperatures
- Improved ductility
- Better impact
- Lower crystallinity material can produce near clear parts at less than 1.5 mm thickness

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Ductile • Good Impact Resistance • Good Clarity • Low Crystallinity
Appearance	• Grey
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.11		ASTM D792
Water Absorption (Equilibrium)	1.6	%	ASTM D570
Relative Viscosity ²	55.0		ASTM D789
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9430	psi	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Flexural Modulus	319000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.1	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	374	°F	ASTM D3418

Notes

¹ Typical properties: these are not to be construed as specifications.

² Formic Acid

