



## Copolymer Series: Astradyn™ SVPx-130

Astradyn™ SVPx-130 is a high viscosity nylon copolymer. Astradyn™ SVPx-130 is a clear and durable material used in applications which have demanding requirements. This resin has a unique combination of properties which consist of the following:

- ▶ Astradyn™ SVPx-130 is both Strong and Ductile
- ▶ Optically Clear (3mm Specimen: Total Transmittance > 91%)
- ▶ Excellent Chemical Resistance to Ethanol (Alcohols)
- ▶ Superior Surface Tension for Paintability

### Applications:

- ▶ Injection Molding
- ▶ Profile Extrusion
- ▶ Tubing/Wire Coating
- ▶ Monofilament Extrusion
- ▶ Blow Molding
- ▶ Film Extrusion

### Typical Properties

Physical Properties	Typical Values	Unit	Test Standard
Density	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (250°C w/ 2,160 g Load)	3 - 6	g/10min	ASTM D1238

Thermal Properties	Typical Values	Unit	Test Standard
Glass Transition Temperature	113	°C	DSC

Mechanical Properties	Dry / Cond.	Unit	Test Standard
Tensile Modulus	1846	MPa	ASTM D638
Tensile Stress at Yield	67	MPa	ASTM D638
Tensile Strain at Yield	6.7	%	ASTM D638
Tensile Stress at Break	62	MPa	ASTM D638
Tensile Strain at Break	> 250	%	ASTM D638
Flexural Modulus	1754	MPa	ASTM D790
Flexural Stress	99	MPa	ASTM D790
Izod Notched Impact Strength (23°C)	50 - 100	J/m	ASTM D256