

# Nylene® CX3451

## TECHNICAL DATASHEET

TDS Ref # 180 Reviewed: 2/2/2015

### DESCRIPTION

- Injection molding grade copolymer nylon developed for high clarity
- Suitable for applications where clarity, toughness, and chemical resistance are required
- Maximum clarity is achieved by using low mold temperatures

PROPERTIES	TEST METHOD	UNIT	VALUE
<b>PHYSICAL PROPERTIES</b>			
Specific Gravity	D792	n/a	1.11
<b>MECHANICAL PROPERTIES</b>			
Elongation	D638	%	350
Flexural Modulus	D790	psi (MPa)	250,000 (1725)
Notched Izod @ 23°C	D256	ft. lb./ in. (J/m)	1.5 (80)
Tensile Strength	D638	psi (MPa)	8500 (59)
<b>THERMAL PROPERTIES</b>			
Melt Point	D3418	°F (°C)	383 (195)

### NOTES

- Testing conducted on dry-as-molded specimens at 73°F

### CHARACTERISTICS

Resin Type: Copolymers  
Product Characteristics:  
Unreinforced, Copolymer, High Clarity

### INJECTION MOLDING PROCESSING

Prime Grade

### FEATURES

- Excellent toughness
- Excellent chemical resistance
- Excellent transparency

### MARKETS USED

- General Applications
- Industrial Applications
- Fuel Applications

### APPLICATIONS

- Filter Bowls
- Reservoirs
- Sight Windows

### DISCLAIMER

The data set forth herein has been carefully compiled by Nylene in our laboratories. Values shown are typical properties and not specifications. Since processing variables will affect properties, the reproducibility of our data in a customer's testing facility is not guaranteed. There is no warranty of any kind, either expressed or implied, applicable to the use of this information, and the user assumes all risk and liability in connection therewith.



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