

## Evonik CYRO Acrylite Plus® NTA-211 NTA Compound

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Impact Modified, Molded

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-CYRO-Acrylite-Plus-NTA-211-NTA-Compound.php](http://www.lookpolymers.com/polymer_Evonik-CYRO-Acrylite-Plus-NTA-211-NTA-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ISO 294
Melt Flow	9.5 g/10 min @Load 3.80 kg, Temperature 230 °C	9.5 g/10 min @Load 8.38 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	36.5 MPa	5300 psi	ISO 527
Elongation at Break	44 %	44 %	ISO 527
Elongation at Yield	6.0 %	6.0 %	ISO 527
Tensile Modulus	1.93 GPa	280 ksi	ISO 527
Flexural Strength	57.2 MPa	8300 psi	ISO 178
Flexural Modulus	1.86 GPa	270 ksi	ISO 178
Izod Impact, Unnotched (ISO)	3.40 kJ/m <sup>2</sup> @Diameter 4.00 mm	1.62 ft-lb/in <sup>2</sup> @Diameter 0.157 in	bar; ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	108 µm/m-°C @Temperature 0.000 - 100 °C	60.0 µin/in-°F @Temperature 32.0 - 212 °F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	102 °C	216 °F	annealed; ISO 75
Vicat Softening Point	110 °C	230 °F	ISO 306

Optical Properties	Metric	English	Comments
Transmission, Visible	0.0 %	0.0 %	Opaque; ASTM D1003

<b>Optical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
<b>Processing Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Middle Barrel Temperature	221 - 249 °C	430 - 480 °F	Cylinder Temp
Melt Temperature	221 - 249 °C	430 - 480 °F	
Mold Temperature	48.9 - 85.0 °C	120 - 185 °F	
Drying Temperature	82.2 °C	180 °F	
Dry Time	3 - 4 hour	3 - 4 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China