

# Radilon® A USX200W 1700 NT

## Radici Group High Performance Polymers - Polyamide 66

### General Information

#### Product Description

PA66 injection moulding grade. Toughened, Heat stabilized. Natural colour.

Suitable for parts requiring excellent impact resistance, even at low temperatures, and high flexibility.

#### General

Additive	<ul style="list-style-type: none"> <li>Heat Stabilizer</li> <li>Impact Modifier</li> </ul>
Features	<ul style="list-style-type: none"> <li>Heat Stabilized</li> <li>High Flexibility</li> <li>High Impact Resistance</li> <li>Low Temperature Heat Sealability</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Automotive Applications</li> </ul>
Agency Ratings	<ul style="list-style-type: none"> <li>EU 2011/65/EC</li> </ul>
RoHS Compliance	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Natural Color</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>
Resin ID (ISO 1043)	<ul style="list-style-type: none"> <li>PA66-IT</li> </ul>

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

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm <sup>3</sup>	ISO 1183
Viscosity Index - Sulfuric Acid	3880	in <sup>2</sup> /lb	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	248000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	6670	psi	ISO 527-2/1A/50
Flexural Modulus <sup>2</sup>	249000	psi	ISO 178
Flexural Stress <sup>2</sup>	10200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	33	ft·lb/in <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Melting Temperature <sup>3</sup>	500	°F	ISO 11357-3

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer	176	°F
Drying Time - Desiccant Dryer	2.0 to 4.0	hr
Dew Point - Desiccant Dryer	< -4	°F
Suggested Max Moisture	0.10	%
Processing (Melt) Temp	527 to 563	°F
Mold Temperature	158 to 194	°F
Injection Rate	Moderate	