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			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Heat Stabilizer	• Impact Modifier	
Features	• Heat Stabilized • High Flexibility	• High Impact Resistance • Low Temperature Heat Sealability	
Uses	• Automotive Applications		
Agency Ratings	• EU 2011/65/EC		
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• GM GMW16447P-PA66-T3	• STELLANTIS MS-DB-41 CPN3223	
Appearance	• Natural Color		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PA66-IT		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	ISO 1183
Viscosity Index - Sulfuric Acid	3880	in³/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 [2]	249000	psi	ISO 178
Flexural Stress [2]	10200	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	33	ft·lb/in²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature [3]	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	

Notes

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

[2] 0.079 in/min

[3] 10°C/min