Radilon® S CV200K 3796BK

Radici Group High Performance Polymers - *Polyamide 6*

General Information

Product Description

Polyamide 6, 20% glass bead, injection moulding grade, non UV stabilized, colour matched to DX9 black.

Suitable for parts requiring improved flatness and good dimensional stability. This product should not be considered for weather able applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Bead, 20% Filler by Weight		
Features	• Good Dimensional Stability		
Uses	• Automotive Applications		
Agency Ratings	• EU 2011/65/EC		
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• STELLANTIS MS-DB-41 CPN3893	• STELLANTIS MS-DB-41 CPN4023	
Appearance	• Black		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PA6-GB20		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm³	ISO 1183
Viscosity Index - Sulfuric Acid	3880	in³/lb	ISO 307

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	522000	psi	ISO 527-1/1A/1
Tensile Stress (Break)	9430	psi	ISO 527-2/1A/5
Tensile Strain (Break)	16	%	ISO 527-2/1A/5
Flexural Modulus [2]	479000	psi	ISO 178
Flexural Stress [2]	16700	psi	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.9	ft·lb/in²	ISO 179/1eA
Notched Izod Impact Strength (73°F)	2.2	ft·lb/in²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	158	°F	ISO 75-2/Af
Melting Temperature [3]	428	°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	464 to 536	°F
Mold Temperature	176 to 194	°F
Injection Rate	Moderate-Fast	

Notes

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