

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

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
Appearance	• Black
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA6-GB20

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Viscosity Index - Sulfuric Acid	3880	in ³ /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/in ²	ISO 179/1eA
Notched Izod Impact Strength (73°F)	2.2	ft-lb/in ²	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	