Heramid® A RCW2010W 3733 BK

Radici Group High Performance Polymers - *Polyamide 66*

General Information

Product Description

PA66 20% glass fibre and mineral reinforced, heat stabilized injection moulding grade. Black colour

Post-industrial grade produced with selected polymers coming from polymerzation, fibres and compounding plants. Suitable for parts requring rigidity, dimensional control, and low warp after repeated high temperature exposure.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber\Mineral, 20% Filler by Weight		
Additive	• Heat Stabilizer		
Recycled Content	• Post-Industrial (PIR)/Pre-Consumer		
Features	• Good Dimensional Stability • Good Rigidity	• Heat Stabilized • High Heat Resistance	• Low Warpage
Uses	• Automotive Applications		
Agency Ratings	• EU 2011/65/EC		
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• FORD WSS-M4D951-A2	• STELLANTIS MS-DB-41 CPN4210	
Appearance	• Black		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PA66-TMG20		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	798000	psi	ISO 527-1/1A/1
Tensile Stress (Break)	15400	psi	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	%	ISO 527-2/1A/5
Flexural Modulus [2]	653000	psi	ISO 178
Flexural Stress [2]	22800	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	2.1	ft·lb/in²	ISO 179/1eA
Notched Izod Impact Strength (73°F)	1.9	ft·lb/in²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature [3]	498	°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 572	°F
Mold Temperature	176 to 212	°F
Injection Rate	Moderate-Fast	

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

[2] 0.079 in/min

[3] 10°C/min