

AuroraTec™ 43510

Aurora Material Solutions, LLC - Polyester Alloy

General Information
Product Description

Experimental Polyester Alloy

Formerly known as EnCounter 43510

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Uses	• Automotive Applications	• Business Equipment	• Thin-walled Parts
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding	• Profile Extrusion	

Properties ¹

Physical	Nominal Value	Test Method
Density / Specific Gravity	1.28	ASTM D792

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	225	°F
Drying Time	6.0	hr
Suggested Max Moisture	0.20	%
Suggested Shot Size	40 to 75	%
Rear Temperature	480 to 500	°F
Middle Temperature	490 to 510	°F
Front Temperature	500 to 520	°F
Nozzle Temperature	510 to 520	°F
Processing (Melt) Temp	500 to 520	°F
Mold Temperature	60 to 100	°F
Back Pressure	50.0 to 75.0	psi
Screw Speed	30 to 60	rpm
Vent Depth	1.5E-3 to 3.0E-3	in

Injection Notes

Maximum Drying Time 12 hrs

