

AuroraTec™ FFD0013

Aurora Material Solutions, LLC - *High Density Polyethylene*

General Information

Product Description

High Density Polyethylene Master Batch

Formerly known as Chemblend FFD0013

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Filler, 20% Filler by Weight		
Features	• High Density		
Uses	• Automotive Applications	• Business Equipment	• Masterbatch
Appearance	• Natural Color		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	135000	psi	ASTM D638
Tensile Strength (Yield)	4100	psi	ASTM D638
Tensile Strength (Break)	7830	psi	ASTM D638
Tensile Elongation (Break)	4.4	%	ASTM D638
Flexural Modulus	214000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°F	0.50	ft·lb/in	
32°F	1.0	ft·lb/in	
73°F	0.10	ft·lb/in	
Unnotched Izod Impact	5.2	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	181	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	450	°F
Middle Temperature	450	°F
Front Temperature	450	°F
Nozzle Temperature	460	°F
Processing (Melt) Temp	430	°F
Mold Temperature	140	°F
Back Pressure	50.0	psi
Screw Speed	100	rpm

Notes

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

