

AuroraTec™ 3052

Aurora Material Solutions, LLC - High Density Polyethylene

General Information

Product Description

High Density Polyethylene

Formerly known as EnLene 3052

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Density		
Uses	• Industrial Applications	• Toys	
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.950		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	110000	psi	ASTM D638
Tensile Strength (Yield)	3900	psi	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	169000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	157	°F	ASTM D648

Notes

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

