

AuroraTec™ 2016

Aurora Material Solutions, LLC - Copolyester

General Information

Product Description

Polyester Copolymer

Formerly known as EnCounter 2016

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Chemical Resistant	• Food Contact Acceptable	• High Clarity
Agency Ratings	• FDA Food Contact		
Appearance	• Clear/Transparent		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Molding Shrinkage - Flow (0.126 in)	5.0E-3 to 7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	228000	psi	ASTM D638
Tensile Strength (Yield)	7540	psi	ASTM D638
Tensile Elongation (Break)	210	%	ASTM D638
Flexural Modulus	228000	psi	ASTM D790
Flexural Strength	9280	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	16	ft-lb/in	ASTM D256
Unnotched Izod Impact	No Break		ASTM D4812
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	201	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	178	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	190	°F
Drying Time	4.0 to 6.0	hr
Processing (Melt) Temp	500 to 540	°F
Mold Temperature	100 to 151	°F

Notes

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

