

AuroraGuard™ PX7008

Aurora Material Solutions, LLC - Polyamide

General Information

Product Description

Amorphous Nylon for film applications

Formerly known as EnLon PX7008

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Amorphous		
Uses	• Film		
Appearance	• Natural Color		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.19		ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Water Absorption (Saturation, 68°F)	5.8	%	ASTM D570
Water Absorption (Equilibrium, 65% RH)	3.1	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	700000	psi	ASTM D638
Tensile Strength (Yield)	14500	psi	ASTM D638
Tensile Elongation (Break)	75	%	ASTM D638
Flexural Modulus	650000	psi	ASTM D790
Flexural Strength	24000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	227	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Drying Time	2.0 to 12	hr
Suggested Max Moisture	0.020	%
Suggested Shot Size	25 to 75	%
Rear Temperature	440 to 460	°F
Middle Temperature	450 to 470	°F
Front Temperature	460 to 480	°F
Processing (Melt) Temp	460 to 480	°F

Notes

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

