

Zytel® LC6210 BK010

NYLON RESIN

DuPont Performance Polymers

Message:

Toughened Polyamide 612 Developed for Blow Molding

General Information				
Additive	Heat Stabilizer			
Features	Heat Stabilized			
Uses	Blow Molding Applications			
	Profiles			
Forms	Pellets			
Processing Method	Blow Molding			
	Extrusion			
	Profile Extrusion			
Multi-Point Data	Shear Stress vs. Shear Rate (ISO 11403-1)			
	Viscosity vs. Shear Rate (ISO 11403-2)			
Part Marking Code (ISO 11469)	>PA612-HI<			
Resin ID (ISO 1043)	PA612-HI			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.01	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.1	--	%	
Flow	2.6	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1100	750	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	29.0	MPa	ISO 527-2
Tensile Strain (Yield)	12	30	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	> 50	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	13	12	kJ/m ²	
23°C	35	80	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				

0.45 MPa, Unannealed	83.0	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	47.0	--	°C	ISO 75-2/A
Melting Temperature ¹	216	--	°C	ISO 11357-3

NOTE

1. 10°C/min

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