

Zytel® LC7602 BK010A

NYLON RESIN

DuPont Performance Polymers

Message:

Zytel®LC7602 BK010A is a NYLON RESIN product. It can be processed by film extrusion, extrusion, casting, sheet extrusion molding, coating or profile extrusion molding, and is available in North America, Africa and the Middle East, Latin America, Europe or the Asia-Pacific region.

Features include:

heat stabilizer

plasticization

UV stability

General Information			
Additive	heat stabilizer		
	Plasticizer		
	UV stabilizer		
Features	UV Stabilized		
	Thermal Stability		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Film extrusion		
	Extrusion		
	Casting		
	Sheet extrusion molding		
	Coating		
	Profile extrusion molding		
Part Marking Code (ISO 11469)	>PA-HIP		
Resin ID (ISO 1043)	PA-HIP		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	650	MPa	ISO 527-2
Tensile Stress (50% Strain)	26.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	620	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	15	kJ/m ²	ISO 179/1eA
23°C	110	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, not annealed	55.0	°C	ISO 75-2/B
1.8 MPa, not annealed	39.0	°C	ISO 75-2/A
Melting Temperature ¹	208	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Burning Rate ² (1.00 mm)	< 100	mm/min	ISO 3795
FMVSS Flammability	B		FMVSS 302
Extrusion Melt Temperature, Optimum	225	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	75 - 80	°C	
Drying Time	3.0 - 4.0	hr	
Suggested Max Moisture	0.060	%	
Melt Temperature	220 - 230	°C	
NOTE			
1.	10°C/min		
2.	FMVSS 302		

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