

Zytel® RS LC3060 NC010

RENEWABLY SOURCED™ POLYAMIDES*

DuPont Performance Polymers

Message:

Unreinforced, Renewably Sourced, Medium Viscosity Polyamide 610 Developed for Extrusion

General Information				
Uses	Profiles			
	Sheet			
Forms	Pellets			
Processing Method	Extrusion			
	Profile Extrusion			
	Sheet Extrusion			
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)			
	Secant Modulus vs. Strain (ISO 11403-1)			
Part Marking Code (ISO 11469)	>PA610<			
Resin ID (ISO 1043)	PA610			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.07	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.5	--	%	
Flow	1.4	--	%	
Water Absorption				ISO 62
23°C, 24 hr, 2.00 mm	3.3	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	1.4	--	%	
Viscosity Number	150	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2000	1200	MPa	ISO 527-2
Tensile Stress (Yield)	58.0	--	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	--	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	--	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	8.7	--	kJ/m ²	
23°C	6.8	--	kJ/m ²	

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	--	°C	ISO 75-2/A
Melting Temperature ¹	223	--	°C	ISO 11357-3
Flammability	Dry	Conditioned		Test Method
Flammability Classification				IEC 60695-11-10, -20
1.50 mm	HB	--		
3.00 mm	HB	--		
NOTE				
1.	10°C/min			

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