

Zytel® RS LC4601 NC010

RENEWABLY SOURCED™ POLYAMIDES*

DuPont Performance Polymers

Message:

Plasticized, Toughened, Renewably Sourced, Polyamide Developed for Extrusion

General Information			
Additive	Heat Stabilizer		
	Plasticizer		
Features	Heat Stabilized		
	Plasticized		
Uses	Profiles		
Forms	Pellets		
Processing Method	Extrusion		
	Profile Extrusion		
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)		
	Secant Modulus vs. Strain (ISO 11403-1)		
	Shear Modulus vs. Temperature (ISO 11403-1)		
	Shear Stress vs. Shear Rate (ISO 11403-1)		
	Tensile Modulus vs. Temperature (ISO 11403-1)		
	Viscosity vs. Shear Rate (ISO 11403-2)		
Part Marking Code (ISO 11469)	>PA-IP<		
Resin ID (ISO 1043)	PA-IP		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 2.00 mm, 50% RH)	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	750	MPa	ISO 527-2
Flexural Modulus	700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	15	kJ/m ²	
23°C, Partial Break	95	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		

23°C	No Break		
Notched Izod Impact Strength			ISO 180/1A
-40°C	15	kJ/m ²	
23°C	75	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ¹	50.0	°C	ISO 11357-2
Melting Temperature ²	214	°C	ISO 11357-3
NOTE			
1.	10°C/min		
2.	10°C/min		

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