

DuPont™ Zytel® RS LC3160 NC010

NYLON RESIN

Product Information

Zytel® RS LC3160 NC010 is an unreinforced, medium viscosity grade, biobased polyamide 610 developed for extrusion applications.

General information	Value	Unit	Test Standard
Resin Identification	PA610	-	ISO 1043
Part Marking Code	>PA610<	-	ISO 11469
Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	2140 / -	MPa	ISO 527-1/-2
Yield stress	58 / -	MPa	ISO 527-1/-2
Yield strain	3.5 / -	%	ISO 527-1/-2
Nominal strain at break	>50 / -	%	ISO 527-1/-2
Charpy notched impact strength, 73 °F	6 / -	kJ/m ²	ISO 179/1eA
Flammability	Value	Unit	Test Standard
FMVSS Class	B	-	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	<100	mm/min	ISO 3795 (FMVSS 302)
Other properties	dry / cond	Unit	Test Standard
Density	1070 / -	kg/m ³	ISO 1183
Extrusion	Value	Unit	Test Standard
Drying Temperature	75 - 80	°C	-
Drying Time, Dehumidified Dryer	3 - 4	h	-
Processing Moisture Content	≤0.06	%	-
Melt Temperature Optimum	230	°C	-
Melt Temperature Range	225 - 235	°C	-

Characteristics

Processing	<ul style="list-style-type: none"> • Injection Molding • Profile Extrusion 	<ul style="list-style-type: none"> • Sheet Extrusion • Other Extrusion
Delivery form	<ul style="list-style-type: none"> • Pellets 	

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc. ISO Mechanical properties measured at 160 mil (Hytrel® measured at 80 mil), IEC Electrical properties measured at 80 mil, all ASTM properties measured at 120 mil, and test temperatures are 73 °F unless otherwise stated.

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