

Zytel® SC310 NC010

NYLON RESIN
DuPont Performance Polymers

Message:
Unreinforced Polyamide 66 Developed for the Healthcare Industry

General Information				
UL YellowCard		E41938-101935366		
Additive		demoulding		
Uses		Medical/nursing supplies		
RoHS Compliance		Contact manufacturer		
Forms		Particle		
Processing Method		Injection molding		
Part Marking Code (ISO 11469)		>PA66		
Resin ID (ISO 1043)		PA66		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3100	1400	MPa	ISO 527-2
Tensile Stress (Yield)	82.0	55.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.5	25	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	15	kJ/m ²	ISO 179/1eA
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ¹	262	--	°C	ISO 11357-3
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94, IEC 60695-11-10, -20
0.71 mm	V-2	--		UL 94, IEC 60695-11-10, -20
1.5 mm	V-2	--		UL 94, IEC 60695-11-10, -20
FMVSS Flammability	DNI	--		FMVSS 302
Atomization-G-value (condensate)	1.0E-4	--	g	ISO 6452
Emission of Organic Compounds	5.00	--	µgC/g	VDA 277
Odor	3.00	--		VDA 270
NOTE				
1.	10°C/min			

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