



Delrin[®]

acetal resin

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Delrin[®] II 550SA NC010 Medium Viscosity Extrusion Acetal

Delrin[®] II 550SA is a medium viscosity extrusion grade, with low deposit.

Property	Test Method	Units	Value
Mechanical			
Tensile Strength 5mm/min (0.2in/min)	ASTM D 638	MPa (kpsi)	69 (10)
Elongation at Break 5mm/min (0.2in/min)	ASTM D 638	%	40
Tensile Modulus 5mm/min (0.2in/min)	ASTM D 638	MPa (kpsi)	3100 (450)
Poisson's Ratio	ASTM E 132		0.35
Flexural Modulus	ASTM D 790	MPa (kpsi)	2950 (430)
Flexural Stress Strain 5%	ASTM D 790	MPa (kpsi)	97 (14.1)
Izod Impact	ASTM D 256	J/m (ft lb/in)	80 (1.5)
Unnotched Impact	ASTM D 4812	J/m (ft lb/in)	NB
Thermal			
Heat Deflection Temperature 0.45MPa (66psi), Annealed 1.8MPa (264psi), Annealed	ASTM D 648	°C (°F)	168 (334) 129 (264)
Flow			
Melt Flow Rate 1.05kg at 190C	ASTM D 1238	g/10 min	6
Electrical			
Dielectric Constant 1E6 Hz	ASTM D 150		3.7
Dissipation Factor 1E6 Hz	ASTM D 150		0.005
Other			
Specific Gravity	ASTM D 792		1.42
Water Absorption Equilibrium 50%RH Immersion 24h	ASTM D 570	%	0.22 0.25

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.
 Mechanical properties measured at 23°C (73°F) unless otherwise stated.

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