Zytel®

nylon resin

Zytel® FN727 NC010

Flexible Nylon 6 Extrusion Resin

Zytel® FN727 NC010 is a plasticizer free, flexible nylon 6 alloy resin having good low temperature toughness, good heat aging and good chemical resistance. Uses include cable jacketing, hose and tube applications.

Property	Test Method	Units	Value	
			DAM	50%RH
Mechanical				
Tensile Strength	ASTM D 638	MPa (kpsi)	32 (4.6)	25.4 (3.7)
Elongation at Break	ASTM D 638	%	250	270
Flexural Modulus	ASTM D 790	MPa (kpsi)	655 (95)	242 (35)
Izod Impact	ASTM D 256	J/m (ft lb/in)	NB	
Thermal				
Heat Deflection Temperature	ASTM D 648	°C (°F)		
0.45MPa (66psi)			54 (129)	
1.8MPa (264psi)			47 (117)	
CLTE, Parallel	ASTM D 696	E-4/C	1.2	
Melting Point	ASTM D 3418	°C (°F)	225 (437)	
Vicat Softening Point	ASTM D 1525	°C (°F)	180 (356)	
Other				
Specific Gravity	ASTM D 792		1.01	
Hardness, Durometer D	ASTM D 2240		60	
Water Absorption	ASTM D 570	%		
Immersion 24h			0.94	
Mold Shrinkage		%		
3.2mm (0.126in)			1.3	
Processing				
Melt Temperature Range		°C (°F)	227-288 (440-550)	
Mold Temperature Range		°C (°F)	38-93 (100-200)	
Processing Moisture Content		%	<0.20	

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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