

1110030

1140030



Specification Table

Properties ¹⁾	Units	Method			High Flow	
					21SP ⁶⁾	
		ASTM	ISO	DIN	D.A.M ²⁾	50% R.H ³⁾
Mechanical						
Tensile Strength at Yield	MPa	D 638	527	53455	0.81	62
Elongation at Break	%				70	>200
Flexural Modulus	MPa	D 790	178	53457	2750	1310
Notched Izod Impact	kg / m ²	D 256	180	-	5.3	16
Thermal						
Melting Point, DSC	°C	D 3417	3146	-	260	
Maximum Peak Temperature ⁴⁾		D 648	75 / B	53461	230	220
Deflection Temperature under Load at 1.82 MPa			75 / A		82	72
Maximum Continuous Operating Temperature (Thickness = 1.5 mm) ⁵⁾		-	-	-	85	
Coefficient of Linear Thermal Expansion	10 ³ K ⁴	D 696	-	53752	8.1	-
Electrical						
Volume Resistivity	Ωm	D 257	IEC 93	53482	6 × 10 ¹¹	2 × 10 ¹¹
Dielectric Constant 10 ² Hertz 10 ³ Hertz 10 ⁴ Hertz	-	D 150	IEC 250	53483	3.7	6
					3.6	6
					3.1	3.5
Dissipation Factor 10 ² Hertz 10 ³ Hertz 10 ⁴ Hertz	-				0.02	0.04
					0.02	0.04
					0.03	0.08
Comparative Tracking-index M	V	D 3638	IEC 112	53480	600	
					500	

Miscellaneous						
Glow Wire Flammability Index (Thickness = 1.5 mm)	°C	-	IEC 695-2-1/2	VDE 0471 Part 2	850	
Flammability, 0.8 mm	UL 94	-	-	-	V-2	
Density	g / cm ³	D 792	1183	53479	1.14	
Rockwell Hardness	M Scale R Scale	- D 795	2039/2	-	85 112	60 105
Mould Shrinkage, Flow Direction	%	Monsanto test			-1.8	
Equilibrium Moisture Absorption at 23°C, 50% R.H		-	1110	53714	2.5	
Recommended Processing Melt Temperature	°C	-	-	-	-280	

- 1) Values measured at 23°C
- 2) D.A.M = Dry as moulded
- 3) 50% R.H = Conditioned to 50% relative humidity at 23°C
- 4) Maximum peak temperature = Deflection temperature under load at 0.46 MPa
- 5) UL 746B relative temperature impact
- 6) VYDYNE 21X has sim

Part Number Table

Description	Part Number
Nut, Nylon, M3, PK50	1110030
Nut / Washer, Nylon, M3, PK100	1140030

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. DURATOOL is the registered trademark of the Group. © Premier Farnell plc 2012.