



THERMOPLASTICPOLYURETHANES

Technical Data Sheet

Noveon[®] 1140D TPEE

Type: Noveon[®] 1140D is a 40D TPEE Material for general purpose, extrusion and injection grade

Application: Antenna Cover, Injection Parts for leisure & sports, etc.

Physical Properties	Value (Metric)	Unit	Test Method
Hardness	40	Shore D	ASTM D-2240
Melt Mas-Flow Rate MFR	20	g/10min	ASTM D1238
Specific Gravity	1.13	g/cm ³	ASTM D-792
Water Absorption	0.7	%	ASTM D570
Tensile Strength	24.5	Mpa	ASTM D-638
Tensile Elongation	900	%	ASTM D-638
Flexural Modulus	78.5	Mpa	ASTM D-790
Notched Izod Impact	NB	Kg.cm/cm	ASTM D-256
Heat Deflection Temp	60	°C	ASTM D-648
Volume Resistivity	>1.0E+15	Ohms.cm	ASTM D257
Dielectric strength	26	KV/mm	ASTM D149
Comparative Tracking index	600	V	IEC 60112
Flame Rating	HB		UL94



Technical Date Sheet

Noveon[®] 1140D TPEE

Processing

Injection

Drying Temperature	80 to 90 °C
Drying Time	3.0 to 4.0 hrs
Zone1 temp	200 to 220°C
Zone2 temp	210 to 230 °C
Zone3 temp	210 to 230 °C
Zone4 temp	210 to 230 °C
Adapter temp	210 to 230 °C
Melt temp	200 to 240 °C
Die temp	200 to 220 °C



Technical Data Sheet

Noveon[®] 1140D TPEE

Extrusion

Drying Temperature	80 to 90°C
Drying Time	3.0 to 4.0 hr
Suggested Max Moisture	0.010%
Cylinder Zone1 Temp.	180 to 200°C
Cylinder Zone 2 Temp.	190 to 210°C
Cylinder Zone 3 Temp.	190 to 210°C
Cylinder Zone4 Temp.	190 to 210°C
Adapter Temperature	190 to 210 °C
Melt Temperature	180 to 220°C
Die Temperature	190 to 210°C