

NatureWorks® 6252D

NatureWorks® PLA polymer 6252D is a thermoplastic fiber-grade resin derived from annually renewable resources. Available in lubricated pellet form, 6252D is designed for meltblown products using conventional as well as high pressure die meltblown equipment.

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Melt Density	1.08 g/cc @Temperature 230 °C	0.0390 lb/in³ @Temperature 446 °F	ASTM D1238
Viscosity Measurement	2.5	2.5	Relative Viscosity; CD Internal Viscotek Method
Melt Flow	80 g/10 min @Load 2.16 kg, Temperature 210 °C	80 g/10 min @Load 4.76 lb, Temperature 410 °F	ASTM D1238
Thermal Properties	Metric	English	Comments
Melting Point	155 - 170 °C	311 - 338 °F	ASTM D3418
Glass Transition Temp, Tg	55.0 - 60.0 °C	131 - 140 °F	ASTM D3417
Processing Properties	Metric	English	Comments
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Dew Point	-35.0 °C	-31.0 °F	
Drying Air Flow Rate	>= 14.2 l/min	>= 0.500 ft³/min (CFM)	