

Samyang Tramid[®] 210F Polyamide, High Productivity

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Strong with excellent thermal resistance. Abrasion resistance, chemical resistance and oil resistance are excellent. 210F is a high productivity grade. Applications: Connectors Cable ties Harness clips Tubes Fasteners Castor wheels Hose clips Vacuum hose Hood stay Information provided by Samyang.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samyang-Tramid-210F-Polyamide-High-Productivity.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Water Absorption	1.4 %	1.4 %	ASTM D570
Linear Mold Shrinkage	0.0080 - 0.015 cm/cm	0.0080 - 0.015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	98.1 MPa	14200 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	108 MPa	15600 psi	ASTM D790
Flexural Modulus	2.70 GPa	391 ksi	ASTM D790
Izod Impact, Notched	0.392 J/cm @Thickness 3.17 mm	0.735 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	264 Â°C	507 Â°F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	233 Â°C	451 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	87.0 Â°C	189 Â°F	ASTM D648

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