

Samyang Tramid[®] 210G15 Polyamide, Reinforced

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Strong with excellent thermal resistance. Abrasion resistance, chemical resistance and oil resistance are excellent. 210G15 is a reinforced grade. Applications: Automotive gear level housing Connectors Intake manifolds Thermostat housing Cooling radiator modules Sprinkler Water pipes Fan and shroud ECU cases Cylinder head cover Industrial ball valve Information provided by Samyang.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samyang-Tramid-210G15-Polyamide-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Water Absorption	0.70 %	0.70 %	ASTM D570
Linear Mold Shrinkage	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	132 MPa	19200 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	162 MPa	23500 psi	ASTM D790
Flexural Modulus	4.81 GPa	697 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm @Thickness 3.17 mm	0.918 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	263 Å°C	505 Å°F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	248 Å°C	478 Å°F	ASTM D648

Electrical Properties	Metric	English	Comments
Dielectric Strength	21.0 kV/mm	533 kV/in	ASTM D149

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