

Samyang Tramid[®] 211 Polyamide, Impact

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Strong with excellent thermal resistance. Abrasion resistance, chemical resistance and oil resistance are excellent. 211 is an impact grade. Applications: Automotive knob types, door handles and mirror housings 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-211-Polyamide-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Water Absorption	1.3 %	1.3 %	ASTM D570
Linear Mold Shrinkage	0.012 - 0.014 cm/cm	0.012 - 0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	62.8 MPa	9100 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	142 MPa	20600 psi	ASTM D790
Flexural Modulus	7.99 GPa	1160 ksi	ASTM D790
Izod Impact, Notched	1.08 J/cm @Thickness 3.17 mm	2.02 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	262 Â°C	504 Â°F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	217 Â°C	423 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C	167 Â°F	ASTM D648

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