

Westlake Plastics Propylux® Void-Free Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Propylux is made from polypropylene resin. Among its most notable characteristics are its mechanical toughness, chemical resistance and resistance to abrasion. These properties make it suitable for various applications. It is also FDA compliant. Applications Include: Tanks/tank covers Welding cabinetry Etching rinse tubs Glove Boxes Cutting board Fan shrouds and blades Advantages of Propylux: Excellent chemical resistance Low density Low moisture absorption FDA, USDA Superior dimensional stability Formable and weldable Information provided by Westlake Plastics Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Propylux-Void-Free-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Water Absorption	<= 0.10 % @Time 86400 sec	<= 0.10 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4200 psi	ASTM D638
Tensile Modulus	1.17 GPa	170 ksi	ASTM D638
Flexural Modulus	0.896 GPa	130 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.2 °C	180 °F	
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	147 °C	297 °F	ASTM D4591

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