

Technical Data

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AQUALOY® 281

Lubricated PPO

Properties	Standard	Parameters	Unit
Chemical			
Moisture (Water Content)		1	%
General			
Melt Flow Rate	ASTM D1238	1.0 - 3.4	g/10 minutes
Specific Gravity	ASTM D792	1.28 - 1.35	g/cm ³
Mechanical			
Flexural Modulus	ASTM D790	1.3mm/50.0 mm span - Tangent	4,000 MPa
Izod Impact Strength, Notched	ASTM D256	.57	ft-lbs/in
Tensile Strength @ Yield	ASTM D638	5mm/min	6,600 psi
Processing			
Melt Temperature		500-590	°F
Mold Temperature		195-230	°F
Predrying		@ Drying Temperature	2 hours @ 210 °F
Thermal			
Heat Deflection Temperature	ASTM D648	.455 MPa	142 °C
Heat Deflection Temperature	ASTM D648	1.8 MPa	128 °C

Reported values pertain only to natural resins: pigmenting may vary properties. Pellet cut, size, color, and other properties may vary depending on the manufacturing location.

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