

Technical Data

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**AQUALOY® 281**

**Lubricated PPO**

Properties	Standard	Parameters	Unit
<b>Chemical</b>			
Moisture (Water Content)		1	%
<b>General</b>			
Melt Flow Rate	ASTM D1238	1.0 - 3.4	g/10 minutes
Specific Gravity	ASTM D792	1.28 - 1.35	g/cm <sup>3</sup>
<b>Mechanical</b>			
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
<b>Processing</b>			
Melt Temperature			500-590 °F
Mold Temperature			195-230 °F
Predrying		@ Drying Temperature	2 hours @ 210 °F
<b>Thermal</b>			
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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