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Semilon® 6010 PVDF Resin

PROPERTY	NOMINAL VALUES	TEST METHOD
Density	1.78 g/cm ³	ISO 1183
H ₂ O absorption (24 hr @ 23°C)	<0.04 %	ISO 62 (method 1)
Melt Flow Index 230°C, 5 kg 230°C, 2.16 kg	6 g/10 min 2 g/10min	ASTM D1238
Tensile stress at yield (23°C, 50 mm/min)	55 MPa, 7975 psi	ASTM D638
Tensile stress at break (23°C, 50 mm/min)	42 MPa, 6090 psi	ASTM D638
Elongation at yield (23°C, 50 mm/min)	7 %	ASTM D638
Elongation at break (23°C, 50 mm/min)	35 %	ASTM D638
Flexural modulus (23°C, 2 mm/min)	2100 MPa, 304,500 psi	ASTM D790
Melting point (crystallinity by DSC)	343 °F	ASTM D3418
Deflection temperature (4 mm thick) Load 0.46 MPa, after annealing Load 1.82 MPa	293 °F 230 °F	ASTM D648
UL – 94 Flammability test	V-0 Class	UL94
Limiting oxygen index (sheet 3 mm thick)	44 %	ASTM D2863

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**Typical values only. Actual properties of individual batches will vary within specification limits.