

VINPOL™ AB0605

Acrylonitrile-Butadiene-Styrene

Melt Flow: 6

Specific Gravity: 1.04

VINPOL AB0605 is a general purpose ABS with excellent flow and impact properties.

Resin Property	Typical Value	Units	Test Method
Melt Flow, 230°C, 3.8 kg	6	g/10 min	ASTM D-1238
Specific gravity	1.04	-	ASTM D-792
Mold Shrinkage, flow, 3.2mm	0.5-0.8	%	Supplier Method
Melt Volume Rate, 220°C/10.0kg	18	cm ³ /10 min	ISO 1133
Tensile Stress at Yield, Type I, 5mm/min	5,800 (40)	psi (MPa)	ASTM D-638
Tensile Strain at Yield, Type I, 5mm/min	2	%	ASTM D-638
Tensile Stress at Break, Type I, 5mm/min	4,500 (31)	psi (MPa)	ASTM D-638
Tensile Strain at Break, Type I, 5mm/min	20	%	ASTM D-638
Flexural Stress at Yield, 1.3mm/min; 50mm span	9,860 (68)	psi (MPa)	ASTM D-790
Flexural Modulus, 1.3mm/min; 50mm span	319,000 (2,200)	psi (MPa)	ASTM D-790
HDT, 0.45 MPa, 3.2mm, unannealed	205 (96)	°F (°C)	ASTM D-648
Vicat Softening Temp., Rate B/50	208 (98)	°F (°C)	ASTM D-1525
CTE, -40°C to 40°C, flow	8.82E-05	1/°C	ASTM E-831
CTE, -40°C to 40°C, xflow	8.82E-05	1/°C	ASTM E-831
Notched Izod Impact Strength, 73° F (23°C)	5.5 (293)	ft-lb/in (J/m)	ASTM D-256
Instrumented Impact Total Energy, 73°F (23°C)	22 (30)	ft-lb (J)	ASTM D-3763
Arc Resistance, Tungsten (PLC)	6	PLC Code	ASTM D-495
Hot Wire Ignition (PLC)	3	PLC Code	UL-746A
High Voltage Arc Track Rate (PLC)	3	PLC Code	UL-746A
High Ampere Arc Ign, surface (PLC)	0	PLC Code	UL-746A
Comparative Tracking Index (UL) (PLC)	0	PLC Code	UL 746A
UL Recognized, 94HB Flame Class Rating	1.5, 3.0, 6.0	mm	UL94

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