



VinPol™ AB3205

Acrylonitrile-Butadiene-Styrene

Melt Flow: 32.6

Specific Gravity: 1.04

VINPOL AB3205 is an acrylonitrile-butadiene-styrene resin with natural color.

Resin Property	Typical Value	Units	Test Method
Melt Flow, 220°C, 10 kg	32.6	g/10 min	ASTM D-1238
Specific gravity	1.04	-	ASTM D-792
Mold Shrinkage, MD (TD), 3.2mm	0.3-0.6 (0.3-0.6)	%	ASTM D-955
Tensile Strength at Yield, 5mm/min	5,800	psi	ASTM D-638
Flexural Strength, 2.8mm/min	8,900	psi	ASTM D-790
Flexural Modulus, 2.8mm/min	310,000	psi	ASTM D-790
HDT, 18.56 kgf/cm ² , 6.4mm, unannealed	181.4	°F	ASTM D-648
HDT, 4.6 kgf/cm ² , 6.4mm, unannealed	93	°C	ASTM D-648
Vicat Softening Temperature, B/50	206.6	°F	ISO 306
Flammability, @ 1.0, 1.5, 3.0 and 6.0mm	HB	-	UL 94
Notched Izod Impact Strength, 73° F (23°C), 1/8"	5.5	ft-lb/in	ASTM D-256
Rockwell Hardness	107	R-Scale	ASTM D-785

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Rev. Date 02/01/2024

