



VINPOL™ AS0302

Acrylonitrile-Styrene-Acrylate

Melt Flow: 3.0

Specific Gravity: 1.06

VINPOL AS0302 is an extrusion grade ASA with good weatherability, chemical resistance, gloss, processability, mechanical properties, and color fastness. Target applications include automotive exteriors, building and construction, antennae, home appliances, and bath/sanitary goods.

Resin Property	Typical Value	Units	Test Method
Melt Flow Index at 220°C, 10 kg	3.0	g/10 min	ASTM D-1238
Specific gravity	1.06	-	ASTM D-792
Mold Shrinkage (MD), flow at 3.2 mm	0.6-0.8	%	ASTM D-955
Mold Shrinkage (TD), flow at 3.2 mm	0.6-0.8	%	ASTM D-955
Tensile Strength at Yield, 5mm/min	4,550 (31)	psi (MPa)	ASTM D-638
Tensile Strain at Break, 5mm/min	-	%	ASTM D-638
Tensile Modulus, 5mm/min	242,000 (1670)	psi (MPa)	ASTM D-638
Tensile Strength at Break, 5mm/min	4,270 (29)	psi (MPa)	ASTM D-638
Flexural Strength, 2.8 mm/min	5,970 (41)	psi (MPa)	ASTM D-790
Flexural Modulus, 2.8 mm/min	199,000 (1,370)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 1/4 inch at 23°C	2.0 (108)	ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, 1/8 inch at 23°C	5.5 (294)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness, R-Scale	75	-	ASTM D-785
HDT, 0.45 MPa, 6.4 mm	158 (73)	°F (°C)	ASTM D-648
HDT, 0.45 MPa, 6.4 mm	176 (80)	°F (°C)	ASTM D-648
Vicat Softening Temperature, Rate B/50	187 (86)	°F (°C)	ISO 306

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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