

Lavergne VYTEEN ABS 2901 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Vyteen ABS 2901 is a black recycled general purpose ABS terpolymer with balanced impact/stiffness properties designed for injection molding applications. Features: -Good resilience -Good processability -High stiffness Typical Applications: -Structural parts -Appliances housing -Electrical components -Automotive Information provided by Bieglo Gmbh for Lavergne Performance Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lavergne-VYTEEN-ABS-2901-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	ASTM D955
Melt Flow	5.0 g/10 min @Load 5.00 kg, Temperature 200 Â°C	5.0 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	50 mm/min; ASTM D638
Flexural Strength	70.0 MPa	10200 psi	1.3 mm/min; ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	1.05 J/cm @Temperature 23.0 Â°C	1.97 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 Â°C	176 Â°F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Feed Temperature	160 - 180 Â°C	320 - 356 Â°F	
Middle Barrel Temperature	200 - 210 Â°C	392 - 410 Â°F	
Front Barrel Temperature	210 - 220 Â°C	410 - 428 Â°F	

Nozzle Temperature Processing Properties	210 - 220 Å°C Metric	410 - 428 Å°F English	Comments
Melt Temperature	200 - 220 Å°C	392 - 428 Å°F	
Mold Temperature	50.0 - 60.0 Å°C	122 - 140 Å°F	

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