

Lavergne VYTEEN ABS 2904 Acrylonitrile Butadiene Styrene

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

Material Notes:

Vyteen ABS 2904 is a black recycled ABS high impact flow terpolymer with balanced impact/stiffness properties designed for injection molding applications. Features: -Excellent resilience -Good processability -High stiffness
Typical Applications: -Appliances housing - Electrical components -Automotive MS DB200 compliance
Information provided by Bieglo Gmbh for Lavergne Performance Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lavergne-VYTEEN-ABS-2904-Acrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	36.0 MPa	5220 psi	50 mm/min; ASTM D638
Flexural Strength	62.0 MPa	8990 psi	1.3 mm/min; ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	1.70 J/cm @Temperature 23.0 Â°C	3.18 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	4.00 J @Temperature -29.0 Â°C	2.95 ft-lb @Temperature -20.2 Â°F	6 m/s; ASTM D5420
	15.0 J @Temperature 23.0 Â°C	11.1 ft-lb @Temperature 73.4 Â°F	6 m/s; ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Â°C	176 Â°F	ASTM D648
Flame Spread	45 mm/min	1.8 in/min	SAE J 369

Processing Properties	Metric	English	Comments
Feed Temperature	185 - 195 Â°C	365 - 383 Â°F	

Middle Barrel Temperature Processing Properties	200 - 210 Â°C Metric	392 - 410 Â°F English	Comments
Front Barrel Temperature	200 - 215 Â°C	392 - 419 Â°F	
Nozzle Temperature	200 - 225 Â°C	392 - 437 Â°F	
Melt Temperature	220 - 235 Â°C	428 - 455 Â°F	
Mold Temperature	50.0 - 70.0 Â°C	122 - 158 Â°F	

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