

Lavergne VYTEEN PC/ABS 8515XF Polycarbonate - Acrylonitrile Butadiene Styrene Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Vyteen PC/ABS 8515XF is an enhanced PC/ABS alloy with balanced impact/stiffness properties designed for injection molding applications. Features: -High resilience -Excellent processability -High deflection temperature -Hydrolytic stability -MSDB 195 type "E" compliance
Typical Applications: -Automotive IP -Electronics -Electrical components
Information provided by Bieglo GmbH for Lavergne Performance Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lavergne-VYTEEN-PCABS-8515XF-Polycarbonate-Acrylonitrile-Butadiene-Styrene-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	18 g/10 min @Load 5.00 kg, Temperature 260 °C	18 g/10 min @Load 11.0 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	50 mm/min; ASTM D638
Elongation at Break	60 %	60 %	50 mm/min; ASTM D638
Flexural Strength	100 MPa	14500 psi	1.3 mm/min; ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	5.50 J/cm @Temperature 23.0 °C	10.3 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	ASTM D648

Processing Properties	Metric	English	Comments
Feed Temperature	220 - 240 °C	428 - 464 °F	
Middle Barrel Temperature	250 - 260 °C	482 - 500 °F	

Front Barrel Temperature Processing Properties	260 - 270 Å°C Metric	500 - 518 Å°F English	Comments
Nozzle Temperature	275 - 280 Å°C	527 - 536 Å°F	
Melt Temperature	265 - 275 Å°C	509 - 527 Å°F	
Mold Temperature	60.0 - 90.0 Å°C	140 - 194 Å°F	

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