GLS AE7-836A

Thermoplastic Elastomer

Key Characteristics

Product Description	
GLS AE7-836A is a halogen-free flame retardant thermoplastic elastomer compound designed for over molding with Nylon substrate for various of applications.	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Specialty Grade
Uses	• Wire & Cable Applications
RoHS Compliance	• RoHS Compliant
Appearance	• White
Forms	• Pellets
Processing Method	• Wire & Cable Extrusion

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.09	1.09	ASTM D792
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (Break, 73°F (23°C))	435 psi	3.00 MPa	ASTM D412
Tensile Elongation [2] (Break, 73°F (23°C))	400 %	400 %	ASTM D412
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore A, 10 sec)	62	62	ASTM D2240
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Flame Rating (0.12 in (3.0 mm))	V-0	V-0	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Rear Temperature	320 to 356 °F	160 to 180 °C
Front Temperature	338 to 374 °F	170 to 190 °C
Nozzle Temperature	356 to 392 °F	180 to 200 °C
Mold Temperature	50 to 77 °F	10 to 25 °C
Back Pressure	0.00 to 100 psi	0.00 to 0.690 MPa
Screw Speed	50 to 100 rpm	50 to 100 rpm

Notes

[1] Typical values are not to be construed as specifications.

[2] Die C

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