GLS AD6-748 Black

Thermoplastic Elastomer

Key Characteristics

Product Description	
GLS AD6-748 Black has excellent bonding on ABS, PC, PC/ABS and Copolyester.	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.01	1.01	ASTM D792
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress [2, 3] (300% Strain, 73°F (23°C))	628 psi	4.33 MPa	ASTM D412
Tensile Strength [2, 3] (Yield, 73°F (23°C))	1080 psi	7.47 MPa	ASTM D412
Tensile Elongation [2, 3] (Break, 73°F (23°C))	790 %	790 %	ASTM D412
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore A, 10 sec)	52	52	ASTM D2240
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			ASTM D3835
392°F (200°C), 11200 sec^-1	11.0 Pa·s	11.0 Pa·s	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	140 to 176 °F	60 to 80 °C
Suggested Max Regrind	20 %	20 %
Rear Temperature	302 to 351 °F	150 to 177 °C
Middle Temperature	356 to 437 °F	180 to 225 °C
Front Temperature	374 to 464 °F	190 to 240 °C
Nozzle Temperature	374 to 464 °F	190 to 240 °C
Processing (Melt) Temp	374 to 464 °F	190 to 240 °C
Mold Temperature	60 to 100 °F	16 to 38 °C

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Injection Notes

Purge thoroughly before and after use of this product with a low flow (0.5 - 2.5 MFR) polyethylene (PE).

Regrind levels up to 20% can be used with GLS AD6-748 Black with minimal property losses, provided that the regrind is free of contamination. To minimize losses during molding, the melt temperature should be as low as possible. The final determination of regrind effectiveness should be determined by the customer.

The GLS AD6-748 Black has excellent melt stability. Maximum residence times may vary, depending on the size of the barrel. Generally, the barrel should be emptied if it is idle for periods of 8 - 10 minutes or longer.

Drying is required.

Notes

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

[2] Die C

[3] 2 hr

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