



# GLS 382-192

## Thermoplastic Elastomer

### Key Characteristics

Product Description	
GLS 382-192 is a custom TPE compound	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Agency Ratings	• FDA Unspecified Rating
RoHS Compliance	• RoHS Compliant
Appearance	• Translucent
Forms	• Pellets
Processing Method	• Extrusion

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.890	0.890	ASTM D792
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2, 3</sup> (Break, 73°F (23°C))	870 psi	6.00 MPa	ASTM D412
Tensile Elongation <sup>2, 3</sup> (Break, 73°F (23°C))	470 %	470 %	ASTM D412
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 10 sec)	68	68	ASTM D2240
Fill Analysis	Typical Value (English)	Typical Value (SI)	Test Method
Apparent Viscosity 392°F (200°C), 67.0 sec <sup>-1</sup>	540 Pa·s	540 Pa·s	ASTM D3835

### Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	360 to 400 °F	182 to 204 °C
Die Temperature	360 to 420 °F	182 to 216 °C
Extrusion Notes		
Rear: 330 to 370F Center: 350 to 400F Front: 360 to 420F Screw speed: 100 to 500 RPM Drying is not required		

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

The use of regrind is not recommended for GLS 382-192.

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Die C

<sup>3</sup> 2 hr