Versaflex™ OM 9130 Solid Steel Violet

Thermoplastic Elastomer

Key Characteristics

Product Description

Versaflex OM 9130 Solid Steel Violet is designed for overmolding onto a wide variety of substrates including PC, ABS, M-ABS, SAN, M-MBS, ASA, COPE, HIPS and PPE/PS blends and may be appropriate where FDA compliance is required.

- Bonds to a Variety Of Substrates
- Rubbery Feel
- Good surface Aesthetics
- Soft Touch
- Short cycle time
- Good UV resistance

General			
Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific		
Features	• Good Moldability • Good Processability	• Good Processing Stability • Good Surface Finish	• UV Resistant
Uses	• Consumer Applications • Electrical/Electronic Applications	• Flexible Grips • Overmolding	• Power/Other Tools
Agency Ratings	• FDA [1]		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [2]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.910	0.910	ASTM D792
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress (Break)	435 psi	3.00 MPa	ASTM D412
Tensile Elongation (Break)	700 %	700 %	ASTM D412
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	30	30	ASTM D2240
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			ASTM D3835
392°F (200°C), 11200 sec^-1	7.50 Pa·s	7.50 Pa·s	

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Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Suggested Max Regrind	20 %	20 %
Rear Temperature	356 to 374 °F	180 to 190 °C
Middle Temperature	374 to 392 °F	190 to 200 °C
Front Temperature	392 to 428 °F	200 to 220 °C
Nozzle Temperature	392 to 446 °F	200 to 230 °C
Mold Temperature	68 to 104 °F	20 to 40 °C
Back Pressure	25.0 to 50.0 psi	0.172 to 0.345 MPa
Screw Speed	75 to 125 rpm	75 to 125 rpm

Injection Notes

Drying is not Required

Injection Speed: 0.5 to 3 in/sec
1st Stage - Boost Pressure: 35 to 65 bars.
2nd Stage - Hold Pressure: 70% of Boost
Hold Time (Thick Part): 4 to 10 sec
Hold Time (Thin Part): 1 to 3 sec

Notes

[1] Product rating may be influenced by end product design and/or conditions of use. Please contact GLS Thermoplastic Elastomers for information addressing FDA compliance.

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

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