OnFlex™ LO 7120-65N

Thermoplastic Elastomer

Key Characteristics

Product Description

OnFlex™ LO 7120-65N is an easy processing TPE designed for automotive applications requiring low VOC & Fogging performance

- Excellent surface finish
- Good adhesion to polypropylene
- Low odor VDA 270
- Low FOG VDA 278
- Low VOC VDA 278
- Good compression set

General			
Material Status	• Commercial: Active [1]		
Regional Availability	• Asia Pacific	• Europe	• North America
Features	• Low Fogging	• Low Odor	• Low VOC
Uses	• Automotive Applications	• Automotive Interior Parts	
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [2]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density [3]	1.15 g/cm³	1.15 g/cm³	ISO 1183
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress (Break)	943 psi	6.50 MPa	ISO 37
Tensile Elongation (Break)	860 %	860 %	ISO 37
Compression Set			ISO 815
73°F (23°C), 72 hr	29 %	29 %	
158°F (70°C), 22 hr	53 %	53 %	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	65	65	ISO 48-4
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			Internal Method
392°F (200°C), 11200 sec^-1	11.0 Pa·s	11.0 Pa·s	

Additional Information	Typical Value (English)	Typical Value (SI)
Generic Material Type	Styrenic Thermoplastic Elastomer (TES)	Styrenic Thermoplastic Elastomer (TES)

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	356 to 428 °F	180 to 220 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Injection Rate	Moderate-Fast	Moderate-Fast

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Notes

[1] based on lab compound LC 473-039 q, developed at Polyone Gaggenau.

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

[3] 1.15 g/cm³ ± 0.03

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