OnFlex™ LO 7120-45B

Thermoplastic Elastomer

Key Characteristics

Product Description

OnFlex™ LO 7120-45B 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		
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	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density [2]	1.15 g/cm³	1.15 g/cm³	ISO 1183
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress (Break)	544 psi	3.75 MPa	ISO 37
Tensile Elongation (Break)	700 %	700 %	ISO 37
Compression Set			ISO 815
73°F (23°C), 72 hr	21 %	21 %	
158°F (70°C), 22 hr	48 %	48 %	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	45	45	ISO 48-4
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			Internal Method
392°F (200°C), 11200 sec^-1	7.90 Pa·s	7.90 Pa·s	
Additional Information	**Typical Value (English)**	**Typical Value (SI)**	
Generic Material Type	Styrenic Thermoplastic Elastomer (TES)	Styrenic Thermoplastic Elastomer (TES)	

OnFlex™ LO 7120-45B has been tested to VDA 270 (Odor) & VDA 278 (Fogging µg/g & VOC µg/g) returning excellent results that can be obtained upon request

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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

Notes

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

[2] 1.15 g/cm³ ± 0.03

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