



OnFlex™ AF 7215-80 B

Thermoplastic Elastomer

Key Characteristics

Product Description

OnFlex™ AF 7215-80 B is an easy processing TPE designed for a variety of automotive applications.

- Excellent surface finish
- Good adhesion to polypropylene
- Excellent performance in static mechanical parts such as seals & grips, panel fasteners, plugs, clips and cable clamps.
- Improved UV stability

General

Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific	• Europe	• North America
Features	• Good Processability		
Uses	• Automotive Applications • Fasteners	• Gaskets • Overmolding	• Plugs
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	0.990 g/cm ³	0.990 g/cm ³	ISO 1133
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ^{3, 2} (Break)	1890 psi	13.0 MPa	ISO 37
Tensile Elongation ^{3, 2} (Break)	850 %	850 %	ISO 37
Tear Strength ²	246 lbf/in	43.0 kN/m	ISO 34-1
Compression Set ²			ISO 815
73°F (23°C), 72 hr	29 %	29 %	
158°F (70°C), 22 hr	49 %	49 %	
212°F (100°C), 22 hr	72 %	72 %	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness ² (Shore A, 10 sec)	80	80	ISO 7619
Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Weather Resistance ⁴	expected to pass PV 3929	expected to pass PV 3929	Internal Method

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Suggested Max Regrind	20 %	20 %
Rear Temperature	320 to 370 °F	160 to 188 °C
Middle Temperature	350 to 380 °F	177 to 193 °C
Front Temperature	370 to 410 °F	188 to 210 °C
Nozzle Temperature	370 to 420 °F	188 to 216 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Injection Rate	Fast	Fast

Injection	Typical Value (English)	Typical Value (SI)
Back Pressure	0.00 to 120 psi	0.00 to 0.827 MPa
Screw Speed	40 to 100 rpm	40 to 100 rpm

Notes

¹ Typical values are not to be construed as specifications.

² Europe

³ 7.9 in/min (200 mm/min)

⁴ OnFlex AF 7215-60 B (60Sh A; black) as part the of the AF-range has been tested according waethering test PV 3929 (Kalahari-Test). It has successfully passed the test time of 1500h.



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