tivilon® F 55 Dx 4

Thermoplastic Vulcanizate **API SpA**

Technical Data

Product Description

tivilon® F 55 Dx 4 is a Thermoplastic Vulcanizate (TPV) product. It can be processed by injection molding and is available in Europe.

Characteristics include:

- Eco-Friendly/Green
- Good Processability

General

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Material Status	Commercial: Active	
Literature ¹	 Technical Datasheet (English) 	
Search for UL Yellow Card	API SpA	
Availability	Europe	
Features	 Good Processability 	Recyclable Material
Appearance	Colors Available	Natural Color
Processing Method	 Injection Molding 	

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.05 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	23 g/10 min	ASTM D1238
Mechanical	Nominal Value Unit	Test Method
Tensile Strength		ASTM D638
	5.50 MPa	
100% Strain	1.30 MPa	
300% Strain	2.20 MPa	
Tensile Elongation (Break)	670 %	ASTM D638
Elastomers	Nominal Value Unit	Test Method
Tear Strength ³	21000 kN/m	ASTM D624
Compression Set (70°C, 24 hr)	40 %	ASTM D395
Hardness	Nominal Value Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	55	ASTM D2240
Additional Information		

Dx = UV Resistance Level

- DE = standard UV resistance level
- DI = medium UV resistance level
- DR = high UV resistance level

Injection Nominal Value Unit **Drying Temperature** 75 to 80 °C **Drying Time** 1.5 to 2.0 hr **Rear Temperature** 170 to 180 °C Middle Temperature 180 to 190 °C 185 to 200 °C Front Temperature Nozzle Temperature 190 to 210 °C Mold Temperature 35 to 50 °C

Injection Rate

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

Moderate-Fast

² Typical properties: these are not to be construed as specifications.

³ With Notch



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Where to Buy

Supplier

API SpA Mussolente, Vicenza Italy Telephone: +39-424-579711 Web: http://www.apiplastic.com/

Distributor

Plastribution Telephone: +44-845-345-4560 Web: http://www.plastribution.co.uk/ Availability: United Kingdom



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