

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

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
Front Temperature	185 to 200 °C
Nozzle Temperature	190 to 210 °C
Mold Temperature	35 to 50 °C
Injection Rate	Moderate-Fast

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.

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

³ With Notch



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

