

Technical Information



APILON™ 52 A-7505 T

Overview

TPE-U

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹			ASTM D638
Break	4350 psi	30.0 MPa	
100% Strain	406 psi	2.80 MPa	
300% Strain	798 psi	5.50 MPa	
Tensile Elongation ¹ (Break)	600 %	600 %	ASTM D638
Abrasion Resistance - (Method A)	50.0 mm ³	50.0 mm ³	ISO 4649
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength ² (Peak)	371 lbf/in	65.0 kN/m	ASTM D624
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	75	75	ASTM D2240
Additional Information	Nominal Value (English)	Nominal Value (SI)	
Shelf Life ³	12 month	12 month	
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	176 °F	80 °C	
Drying Time	> 2.0 hr	> 2.0 hr	
Rear Temperature	311 to 320 °F	155 to 160 °C	
Middle Temperature	320 to 338 °F	160 to 170 °C	
Front Temperature	320 to 338 °F	160 to 170 °C	
Nozzle Temperature	329 to 347 °F	165 to 175 °C	
Mold Temperature	77 to 104 °F	25 to 40 °C	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ Type IV, 7.9 in/min (200 mm/min)

² Die C

³ Opened packaging should be sealed after use.

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