

tivilon® M 60 LR6

Thermoplastic Vulcanizate

API SpA

Message:

tivilon®M 60 LR6 is a thermoplastic vulcanized rubber (TPV) product. It can be processed by extrusion or profile extrusion molding and is available in Europe. Typical application areas are: engineering/industrial accessories. The main features are: environmental protection/green.

General Information			
Features	Recyclable materials		
Uses	Washer		
	Profile		
Appearance	Available colors		
Processing Method	Extrusion		
	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	6.00	MPa	ASTM D638
100% strain	1.50	MPa	ASTM D638
300% strain	2.50	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	23.0	kN/m	ASTM D624
Compression Set (70°C, 24 hr)	38	%	ASTM D395
Injection	Nominal Value	Unit	
Drying Temperature	75.0 - 80.0	°C	
Drying Time	1.5 - 2.0	hr	
Rear Temperature	170 - 180	°C	
Middle Temperature	180 - 190	°C	
Front Temperature	185 - 200	°C	
Nozzle Temperature	190 - 210	°C	
Mold Temperature	35.0 - 50.0	°C	
Injection instructions			
Injection Pressure: MediumBack Pressure: Low to MediumLocking Pressure: Medium to Fast			

Extrusion	Nominal Value	Unit
Drying Temperature	75.0 - 80.0	°C
Drying Time	1.5 - 2.0	hr
Cylinder Zone 1 Temp.	160 - 170	°C
Cylinder Zone 2 Temp.	170 - 180	°C
Cylinder Zone 3 Temp.	175 - 185	°C
Cylinder Zone 4 Temp.	180 - 190	°C
Die Temperature	190 - 200	°C
Extrusion instructions		
L/D Ratio: >20:1Compression Ratio: 1:2.5		
NOTE		

1.
- Without Notch

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT