

apilon 52c® C MG 100A

Thermoplastic Polyurethane Elastomer (Polyether)

API SpA

Message:

The wide range of APILON52 C products consisting exclusively of aromatic thermoplastic polyurethanes is equipped to meet most market demands. The APILON52 C famiy is organized in different chemical types, designed to provide a physical/ chemical performance corresponding to the specific needs of different uses in the FOOTWEAR, CLOTHING, LEATHER GOODS AND FURNISHINGS industries.

POLYETHERS - Their excellent resistance to light, together with high mechanical and hydrolysis resistance make these APILON52 C products especially useful in the footwear, sports clothing, home furnishing industries and in all HI-TECH industries.

General Information			
Features	Hydrolysis Resistant		
	Soft		
Uses	Footwear		
	Furniture		
	Sporting Goods		
Physical	Nominal Value	Unit	Test Method
Solution Viscosity ¹	4000 to 20000	mPa · s	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	35.0	MPa	
100% Strain	11.0	MPa	
300% Strain	20.0	MPa	
Tensile Elongation (Break)	450	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ²	105	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
Melting Temperature ³	170 to 180	°C	
NOTE			
1.	20% in DMF		
2.	Without Notch		
3.	Kofler		

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