

apilon 52c® C 80

Thermoplastic Polyurethane Elastomer (Polyester)

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 family 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.

POLYESTERS - These are products that are intended for all applications that favour the quality/price ratio of a polymer. Its excellent chemical and mechanical properties make this range a basic starting point for the production of coagulated bases for the synthetic leather industry.

General Information			
Features	Soft		
Uses	Footwear		
	Synthetic Leather		
Physical	Nominal Value	Unit	Test Method
Solution Viscosity ¹	20000 to 50000	mPa · s	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	40.0	MPa	
100% Strain	8.00	MPa	
300% Strain	13.0	MPa	
Tensile Elongation (Break)	700	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ²	110	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
Melting Temperature ³	180 to 190	°C	
NOTE			
1.	25% in DMF		
2.	Without Notch		
3.	Kofler		

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