

apilon 52c® C 81HV

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 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.

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	High Viscosity		
	Soft		
Uses	Footwear		
	Synthetic Leather		
Physical	Nominal Value	Unit	Test Method
Solution Viscosity ¹	10000 to 20000	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.	20% in DMF		
2.	Without Notch		
3.	Kofler		

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