

apilon 52c® ESC 40

Thermoplastic Polyurethane Elastomer (PC Based)

API SpA

Message:

apilon 52c®ESC 40 is a thermoplastic polyurethane elastomer (polycarbonate-based)(TPU-PC) product. It is available in Europe. The main characteristics are: antibacterial.

General Information			
Features	Antibacterial		
	Hydrolysis resistance		
	Soft		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	90		ASTM D2240
Shaw D	41		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ASTM D638
100% secant	7.00	MPa	ASTM D638
300% secant	13.0	MPa	ASTM D638
Tensile Strength	45.0	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	100	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
Melting Temperature	190 - 210	°C	
Additional Information			

Solution Viscosity at 20% in DMF, 23°C: 4.000 to 20.000 mPa*s

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