

# apilon 52bio® DBE 20

Thermoplastic Polyurethane Elastomer (Polyester)

API SpA

Message:

apilon 52bio® DBE 20 is a thermoplastic polyurethane elastomer (polyester)(TPU-polyester) product. It can be processed by injection molding and is available in Europe. Typical application areas are: engineering/industrial accessories. The main features are: environmental protection/green.

General Information			
Features	Updatable resources		
	Recyclable materials		
Uses	overmolding		
Appearance	Natural color		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	77 - 83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	> 30.0	MPa	ASTM D638
Tensile Elongation (Break)	> 650	%	ASTM D638
Abrasion Resistance		mm <sup>3</sup>	DIN 53516
Renewable Content	39	%	
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	> 60.0	kN/m	ASTM D624

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