apilon 52® A-6505 ATT

Thermoplastic Polyurethane Elastomer (Polyester)

API SpA

Message:

apilon 52®A- 6505 ATT is a thermoplastic polyurethane elastomer (polyester)(TPU-polyester) product. It can be processed by extrusion or injection molding and is available in Europe. apilon 52®The application fields of A- 6505 ATT include engineering/industrial accessories, electrical/electronic applications, electrical appliances, tools and home applications.
Features include:
environmental protection/green
Antistatic
Good UV resistance
Good flexibility
low temperature resistance

General Information	
Additive	Antistatic property
Features	Flexibility at low temperatures
	Antistatic property
	Good UV resistance
	Recyclable materials
	Good wear resistance
	Low temperature resistance
	Hydrolysis resistance
	Oil resistance
Uses	Handle
	Wheels
	Conveyor belt repair
	Electrical/Electronic Applications
	Electrical appliances
	Washer
	Power/other tools
	Pipe fittings
	Household goods
	Sporting goods
	Coating application
	Footwear
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method

Specific Gravity	1.17	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3 sec)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	30.0	MPa	ASTM D638
100% strain	2.00	MPa	ASTM D638
300% strain	4.00	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Abrasion Resistance	50.0	mm³	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tear Strength [1]	50.0	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 110	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.070	%	
Rear Temperature	180 - 190	°C	
Middle Temperature	185 - 200	°C	
Front Temperature	190 - 215	°C	
Nozzle Temperature	200 - 230	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Pressure	50.0 - 100	MPa	
Injection Rate	Slow-Moderate		
Injection instructions			
Back Pressure: Medium to LowLocking Pressure: High			
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 - 110	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.070	%	
Cylinder Zone 1 Temp.	160 - 185	°C	
Cylinder Zone 2 Temp.	170 - 200	°C	
Cylinder Zone 3 Temp.	175 - 210	°C	
Cylinder Zone 4 Temp.	180 - 220	°C	
Die Temperature	170 - 210	°C	
Extrusion instructions			
L/D Ratio: 20:1 to 30:1Compression Ratio: 1:2.5 to 1:3			
NOTE			
1.	Without Notch		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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