

PEARLCOAT® 126K

Thermoplastic Polyurethane Elastomer (Polyester)

Lubrizol Advanced Materials, Inc.

Message:

Type: Pearlcoat® 126K is a polyester-based thermoplastic polyurethane.

Main Application : Extrusion/Meltcoating

Special features : Combining high hardness with excellent low temperature flexibility and medium softening point.

General Information	
Features	Flexibility at low temperatures
	High hardness
Uses	Coating application
Forms	Particle
Processing Method	Extrusion
	Coating

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 2781
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec)	94		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5A/500
--	35.0	MPa	ISO 527-2/5A/500
100% strain	13.0	MPa	ISO 527-2/5A/500
300% strain	25.0	MPa	ISO 527-2/5A/500
Tensile Strain (Break)	420	%	ISO 527-2/5A/500
Abrasion Resistance	40.0	mm ³	ISO 4649-A
Extrusion	Nominal Value	Unit	
Drying Temperature	100 - 105	°C	
Drying Time	2.0	hr	
Cylinder Zone 1 Temp.	150 - 160	°C	
Cylinder Zone 2 Temp.	160 - 170	°C	
Cylinder Zone 3 Temp.	170 - 180	°C	
Cylinder Zone 4 Temp.	175 - 185	°C	
Adapter Temperature	175 - 185	°C	
Die Temperature	175 - 185	°C	

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