Dylon® A-9000EE

Thermoplastic Polyurethane Elastomer (Polyether)

Dahin Group

Product Description

Dylon thermoplastic polyurethane elastomer combines the property pattern of high quality PU elastomers with the processing efficiency of thermoplastics. With its excellent elasticity, low temperature resistance, mechanical properties, and resistance to water and solvents, Dylon is widely used in injection molding and extrusion processing. Furthermore, it is exposing its wide applications as special grades TPU being developed according to customized purposes. As a result, Dylon TPU is becoming the most welcomed material to processing industries.

Applications of A-9000EE include film, electric cables and wires, coiled leads and packaging seal.

General		
Material Status	• Commercial: Active	
Availability	• North America	
Features	• Good Processability • High Elasticity	• Moisture Resistant • Solvent Resistant
Uses	• Film	• Wire & Cable Applications
Forms	• Pellets	
Processing Method	• Extrusion	• Extrusion Blow Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm³	ASTM D792
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% Strain	8.83	MPa	
300% Strain	13.8	MPa	
Tensile Strength (Break)	39.2	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	90		ASTM D2240

Extrusion	Nominal Value	Unit
Drying Temperature	82.2 to 104	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.030	%
Cylinder Zone 1 Temp.	182 to 193	°C
Cylinder Zone 2 Temp.	188 to 199	°C
Adapter Temperature	193 to 204	°C
Melt Temperature	193 to 210	°C
Die Temperature	193 to 204	°C

Notes

[1] Typical properties: these are not to be construed as specifications.

Revision History
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