

AuroraFlex™ 2825PE

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*

General Information

Product Description

2825PE thermoplastic elastomer has been developed for applications that require rubber-like properties and a good surface finish. 2825PE is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. 2825PE can be overmolded and coextruded with polyethylene.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• UV Stabilizer		
Features	• Good Surface Finish	• Soft	• UV Stabilized
Uses	• Consumer Applications	• Industrial Applications	• Overmolding
Agency Ratings	• FDA		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.882		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	107	psi	ASTM D412
Tensile Strength	348	psi	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Tear Strength	70.0	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	25		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	280 to 320	°F
Front Temperature	331 to 360	°F
Nozzle Temperature	370 to 399	°F
Mold Temperature	60 to 120	°F
Injection Rate		Fast
Back Pressure	50.0 to 99.9	psi
Screw Compression Ratio	2.5:1.0 to 3.0:1.0	

Notes

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

