

# AlphaSeal™ 255 H

Thermoplastic Elastomer

AlphaGary

Message:

ALPHASEAL 255 H IS AN ELASTOMERIC MATERIAL MADE WITH FDA SANCTIONED MATERIALS FOR EXTRUSION AND MOLDING OF FOOD CONTACT APPLICATIONS.

General Information	
Features	Food Contact Acceptable
Uses	Non-specific Food Applications
Agency Ratings	FDA Food Contact, Unspecified Rating
RoHS Compliance	Contact Manufacturer
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.988 to 1.03	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	40 to 50	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	67 to 77		
Shore A, 15 sec	58 to 68		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (1.91 mm)	3.10	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 1.91 mm)	290	%	ASTM D638

Injection	Nominal Value	Unit
Rear Temperature	179	°C
Middle Temperature	204	°C
Front Temperature	216	°C
Nozzle Temperature	216	°C

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	179	°C
Cylinder Zone 2 Temp.	204	°C
Cylinder Zone 3 Temp.	216	°C
Adapter Temperature	216	°C

NOTE	
1.	510 mm/min
2.	510 mm/min

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