



# Monprene® RG-29068 NAT (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

## General Information

### Product Description

Monprene RG-29068 NAT is specifically designed for regulated applications including food contact and is suitable for extrusion. Monprene RG-29068 NAT complies with various US FDA and European regulations and directives for food contact. Please contact Teknor Apex for a regulatory compliance letter.

### General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Europe	• Latin America • North America	
Features	• Food Contact Acceptable • Good Organoleptic Properties	• Low Density • Medium Hardness	
Uses	• Consumer Applications	• Food Containers	• Food Packaging
Agency Ratings	• EU	• FDA Food Contact	
RoHS Compliance	• RoHS Compliant		
Appearance	• Translucent		
Forms	• Pellets		
Processing Method	• Extrusion		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.900		ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	445	psi	ISO 37
Tensile Stress (Break)	1520	psi	ISO 37
Tensile Elongation (Break)	750	%	ISO 37
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 1 sec	70		
Shore A, 5 sec	68		

## Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	300 to 320	°F
Cylinder Zone 2 Temp.	320 to 380	°F
Cylinder Zone 3 Temp.	340 to 400	°F
Cylinder Zone 4 Temp.	360 to 400	°F
Die Temperature	360 to 400	°F

### Extrusion Notes

Screw Speed: 30 to 100 rpm

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150F (65C).

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.