

Monprene® RG-29068 NAT (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

Message:

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 Information			
Features	Low density		
	Good sensory characteristics		
	Compliance of Food Exposure		
	Medium hardness		
Uses	Food packaging		
	Food container		
	Consumer goods application field		
Agency Ratings	EU Unspecified Rating		
	FDA Food Exposure, Not Rated		
RoHS Compliance	RoHS compliance		
Appearance	Translucent		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw A, 1 sec	70		ISO 868
Shaw A, 5 seconds	68		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.07	MPa	ISO 37
Tensile Stress (Break)	10.5	MPa	ISO 37
Tensile Elongation (Break)	750	%	ISO 37
Legal statement			

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Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	149 - 160	°C
Cylinder Zone 2 Temp.	160 - 193	°C
Cylinder Zone 3 Temp.	171 - 204	°C
Cylinder Zone 4 Temp.	182 - 204	°C
Die Temperature	182 - 204	°C

Extrusion instructions

Screw Speed: 30 to 100 rpmDrying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150F (65C).

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