

RTP 2899 X 109567

Thermoplastic Polyolefin Elastomer

RTP Company

Message:

Flame Retardant - Halogen Free

General Information			
UL YellowCard	E84658-538636		
Features	Flame Retardant		
	Halogen Free		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.80 to 1.5	%	ASTM D955
Moisture Content	0.030	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2.76	MPa	ASTM D412
Tensile Elongation (Yield)	300	%	ASTM D412
Tear Strength ¹	14.0	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	No Break		ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ² (in Oil)	20	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	29	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	182 to 210	°C	
Mold Temperature	15.6 to 65.6	°C	
Injection Pressure	82.7 to 124	MPa	
NOTE			

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| 1. | Die C |
| 2. | Method A (Short-Time) |

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