

RTP 1500-55D TFE 15

Thermoplastic Elastomer, Ether-Ester

RTP Company

Message:

PTFE Lubricated

General Information			
Additive	PTFE lubricant (15%)		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.5 - 2.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	276	MPa	ASTM D638
Tensile Strength ¹ (Break, 3.18 mm)	25.5	MPa	ASTM D638
Tensile Elongation ² (Break, 3.18 mm)	> 500	%	ASTM D638
Flexural Modulus	276	MPa	ASTM D790
Flexural Strength ³ (5.0% Strain,3.18 mm)	11.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Additional Information	Nominal Value	Unit	
Primary Additive	15	%	
Injection	Nominal Value	Unit	
Drying Temperature	104	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	210 - 238	°C	
Mold Temperature	21.1 - 48.9	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		

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