

RTP 285 H TFE 15 HS

Polyamide 66

RTP Company

Message:

Carbon Fiber - PTFE Lubricated - Heat Stabilized

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (15%) Impact modifier heat stabilizer		
Features	Impact modification Thermal Stability Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.050 - 0.10	%	ASTM D955
Moisture Content	0.20	%	
Primary Additive	30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20200	MPa	ASTM D638
Tensile Strength	137	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 - 2.0	%	ASTM D638
Flexural Modulus	13200	MPa	ASTM D790
Flexural Strength	240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	150	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	850	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	277 - 299	°C	

Mold Temperature	65.6 - 107	°C
Injection Pressure	68.9 - 124	MPa
Injection instructions		

Desiccant Type Dryer Required.

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Recommended distributors for this material

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