

RTP 728 HF

High Density Polyethylene
RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	High density		
	High liquidity		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	2.6 - 3.1	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	2550	MPa	ASTM D638
Tensile Strength	21.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus (Injection Molded)	1580	MPa	ASTM D790
Flexural Strength (Injection Molded)	28.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	32	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	520	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, injection molded	93.0	°C	ASTM D648
1.8 MPa, unannealed, injection molded	71.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information			

The value listed as Flammability, UL 94, was tested in accordance with RTP Company methods.

Injection	Nominal Value	Unit
Rear Temperature	177 - 227	°C
Middle Temperature	177 - 227	°C
Front Temperature	177 - 227	°C
Mold Temperature	21.0 - 66.0	°C
Injection Pressure	69.0 - 103	MPa

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Recommended distributors for this material

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