

# OmniTech™ HDPE TF10

High Density Polyethylene

OMNI Plastics, LLC

Message:

10% Talc Reinforced, High Density Polyethylene

General Information			
Filler / Reinforcement	Talc,10% Filler by Weight		
Features	High Density		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	26.2	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Flexural Strength	27.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Rear Temperature	204 to 249	°C	
Middle Temperature	204 to 249	°C	
Front Temperature	204 to 249	°C	
Nozzle Temperature	204 to 249	°C	
Processing (Melt) Temp	204 to 249	°C	
Mold Temperature	26.7 to 82.2	°C	
Back Pressure	0.345	MPa	

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Recommended distributors for this material

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