

TOTAL Polyethylene HDPE XT10B

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

TOTAL Polyethylene HDPE XT10B is a High Density Polyethylene material. It is available in North America.
Important attributes of TOTAL Polyethylene HDPE XT10B are:
Carbon Black
Creep Resistant
Typical applications include:
Plumbing/Piping/Potable Water
Engineering/Industrial Parts
Industrial Applications

General Information			
Additive	Carbon Black (3%)		
Features	Good Crack Resistance		
	Good Creep Resistance		
Uses	Fittings		
	Industrial Applications		
	Piping		
Agency Ratings	ASTM D 2513		
	CSA B137.1		
	CSA B137.4		
	CSA C448		
	NSF 14		
	NSF 61		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	7.0	g/10 min	
190°C/5.0 kg	0.20	g/10 min	
Carbon Black Content	3	%	ASTM D1603
Hydrostatic Design Basis			ASTM D2837
23°C	11.0	MPa	
60°C	6.89	MPa	

445574C

Cell Classification	445576C		ASTM D3350
Minimum Required Strength	10.0	MPa	ISO 9080
PENT	> 1000	hr	ASTM F1473
Pipe Category	CEC		ASTM D2513
PPI Recommended Designation	PE 4710		PPI TR 4
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	24.8	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	> 500	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1100	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	130 to 132	°C	ASTM D3417
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		

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Recommended distributors for this material

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