

# Generic PCTFE

Polychlorotrifluoroethylene

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PCTFE  
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.68 to 2.11	g/cm <sup>3</sup>	ASTM D792
--	2.07 to 2.12	g/cm <sup>3</sup>	ASTM D1505
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
MD	1010 to 1400	MPa	
TD	1000 to 1550	MPa	
Tensile Strength			ASTM D882
MD : Yield	27.0 to 169	MPa	
TD : Yield	30.6 to 52.0	MPa	
MD : Break	36.2 to 85.5	MPa	
TD : Break	34.0 to 57.6	MPa	
Tensile Elongation			ASTM D882
MD : Yield	26 to 240	%	
TD : Yield	250 to 260	%	
MD : Break	100 to 240	%	
TD : Break	200 to 290	%	
Water Vapor Transmission	0.023 to 0.78	g/m <sup>2</sup> /24 hr	ASTM E96
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC)	190 to 211	°C	ASTM D3418
Thermal Conductivity (23°C)	0.20 to 0.22	W/m/K	ASTM C177
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	100	%	ASTM D2863
Optical	Nominal Value	Unit	Test Method
Haze	1.0 to 1.1	%	ASTM D1003

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