

CS Hyde Company

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**33-__F
TPX / PMP Film**

PHYSICAL PROPERTIES: POLYMETHYLPENTENE FILMS TYPICAL PROPERTIES*

	Test Method	Typical Values	
		SI Units	US Customary Units
Physical and Thermal Properties			
Yield	internal	1205 m ² /kg/μm	33333 in ² /lb/mil
Melting Temperature	ASTM D-3418	235 °C	455 °F
Water Absorption @ 50°C (122°F), 75%RH, 24 hrs.	ASTM D-570	0.01 %	0.01 %
Mechanical Properties			
		MD TD	MD TD
Stress at Yield @ 23 °C (73 °F)	ASTM D-882	33 MPa 35 MPa	4800 psi 5100 psi
Stress at Break @ 23 °C (73 °F)	ASTM D-882	30 MPa 32 MPa	4350 psi 4650 psi
Elongation at Break @ 23 °C (73 °F)	ASTM D-882	83 % 4 %	83 % 4 %
Modulus @ 23 °C (73 °F)	ASTM D-882	1660 MPa 1550 MPa	240 kpsi 225 kpsi
Electrical Properties			
Dielectric Strength	ASTM D-149	152 V/μm	3860 V/mil
Dielectric Constant @ 1 kHz 23°C (73°F)	ASTM D 150	2.1	2.1

*The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes.