

BASF Bycolene 2710

BASF Bycolene 2710 is a high - impact, high - stiffness, stress - crack - resistant material with an HB flammability rating, suitable for both injection molding and extrusion molding processes, and commonly used in applications such as liners, sheets, and thin - gauge sheets in sheet extrusion applications.

Physical property		Standard	Value	Unit
Melt Index	200°C 5kg	ISO 1133	4.5	cm³/10min
Mechanical behavior		Standard	Value	Unit
Tensile Strength	Yield	ISO 527	21	MPa
Thermal		Standard	Value	Unit
Vicat Softening Temperature	50°C/hr 50N	ISO 306	90	°C
Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5mm	UL94	HB	
Flame Rating	All Color 3.0mm	UL94	HB	
UL		Standard	Value	Unit
UL FlameRating	ALL 1.5mm	UL94	HB	
UL FlameRating	ALL 3.0mm	UL94	HB	
HWI	ALL 1.5mm	UL 746A	4	PLC
HWI	ALL 3.0mm	UL 746A	3	PLC
HAI	ALL 1.5mm	UL 746A	2	PLC
HAI	ALL 3.0mm	UL 746A	0	PLC
RTI Elec	ALL 1.5mm	UL 746B	50	°C
RTI Elec	ALL 3.0mm	UL 746B	50	°C
RTI Imp	ALL 1.5mm	UL 746B	50	°C
RTI Imp	ALL 3.0mm	UL 746B	50	°C
RTI Str	ALL 1.5mm	UL 746B	50	°C
RTI Str	ALL 3.0mm	UL 746B	50	°C
Comparative Tracking Index		IEC 60112	2	PLC
Dielectric Strength		ASTM D149	46	KV/mm
HVTR		UL 746A	2	PLC
Dimensional Stability		UL746	0	%
Volume Resistivity		ASTM D257	1.00E+14	Ω .cm
Arc Resistance		ASTM D495	6	PLC
Injection molding		Standard	Value	Unit
Melt Temperature			180~250	°C
Mould Temperature			10~60	°C
Extrusion molding		Standard	Value	Unit
Melt Temperature			180~240	°C