

BASF Bycolene® 143E

Features: Transparency、High flow、Medium strength、Good mould release、General purpose grade

Application: Gloss layer for extruded sheets、General purpose、Sheet extrusion applications、Thin-wall injection molding (TWIM) applications

Physical property		Standard	Value	Unit
Melt Index	200°C 5kg	ISO 1133	6	cm³/10min
Mechanical behavior		Standard	Value	Unit
Tensile Strength	Yield	ISO 527	48	MPa
Thermal		Standard	Value	Unit
Vicat Softening Temperature	50°C/hr 50N	ISO 306	91	°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	4	PLC
HAI	ALL 1.5mm	UL 746A	2	PLC
HAI	ALL 3.0mm	UL 746A	1	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	1	PLC
Dielectric Strength		ASTM D149	43	KV/mm
HVTR		UL 746A	2	PLC
Dimensional Stability		UL746	0	%
Volume Resistivity		ASTM D257	1E+15	Ω .cm
Injection molding			Value	Unit
Melt Temperature			180~250	°C
Mould Temperature			10~60	°C
Extrusion molding			Value	Unit
Melt Temperature			200~240	°C