



Bayblend R-T60

Non-reinforced recyclate grades / Standard

Standard recyclate grade; property level comparable with T65; Vicat/B 120 temperature = 120 °C; Izod notched impact strength at -30 °C = 20 kJ/m²; not all colors available.

ISO Shortname

Property	Test Condition	Unit	Standard	Value
Rheological properties				
Spiral flow length	0.100 in, 490 °F melt temperature	in	Bayer test	15
Melt flow rate	260 °C; 5 kg	g/(10 min)	ASTM D 1238	15
Mechanical properties (23 °C/50 % r.h.)				
Tensile modulus		lb/in ²	ASTM D 638	305000
Tensile stress at yield		lb/in ²	ASTM D 638	6525
Tensile elongation at yield		%	ASTM D 638	4
Tensile stress at break		lb/in ²	ASTM D 638	5800
Tensile elongation at break		%	ASTM D 638	>40
Unnotched impact strength	73 °F, 0.125 in	ft·lb/in	ASTM D 4812	no break
Izod notched impact strength	73 °F, 0.125 in	ft·lb/in	ASTM D 256	8
Izod notched impact strength	-22 °F; 0.125 in	ft·lb/in	ASTM D 256	5
Thermal properties				
Deflection temperature under load, Unannealed	264 psi; 0.125 in	°F	ASTM D 648	215
Deflection temperature under load, Unannealed	66 psi; 0.125 in	°F	ASTM D 648	250
Vicat softening temperature	Rate B; 5 kg; 120 °C/h	°F	ASTM D 1525	248
Electrical properties (23 °C/50 % r.h.)				
Relative permittivity	100 Hz	-	IEC 60250	3.1
Relative permittivity	1 MHz	-	IEC 60250	3.0
Dissipation factor	100 Hz	10 ⁻⁴	IEC 60250	30
Dissipation factor	1 MHz	10 ⁻⁴	IEC 60250	85
Volume resistivity		Ohm·m	IEC 60112	1E14
Surface resistivity		Ohm	IEC 60093	1E16
Dielectric strength		kV/mm	IEC 60243-1	35
Comparative tracking index CTI	Solution A	Rating	IEC 60112	250
Other properties (23 °C)				
Water absorption	73 °F; immersion to saturation; 0.125 in	%	ISO 62	0.7
Water absorption	73 °F, 50% RH in air to saturation, 0.125-in	%	ISO 62	0.2
Density		kg/m ³	ASTM D 792	1130
Processing conditions for test specimens				
C Injection molding-Melt temperature		°C	ISO 294	260
C Injection molding-Mold temperature		°C	ISO 294	80
C Injection molding-Injection velocity		mm/s	ISO 294	240

