

## General purpose grades / Medium viscosity

MFR 15 g/10 min; General purpose; Medium viscosity; Easy release; EU/FDA quality; Good hydrolysis resistance; Injection molding; Available in transparent, translucent and opaque colors; Suitable for medical devices

Property	Test Condition	Unit	Standard	Value
<b>Rheological properties</b>				
Melt flow rate	300 °C / 1.2 kg	g/(10 min)	ASTM D 1238	15
Mold shrinkage, flow/cross to flow		in/in	ASTM D 955	0.006-0.008
<b>Mechanical properties (23 °C/50 % r.h.)</b>				
Tensile modulus	1 mm/min	lb/in <sup>2</sup>	ASTM D 638	350000
Tensile stress at yield	-	lb/in <sup>2</sup>	ASTM D 638	9400
Tensile elongation at break	-	%	ASTM D 638	115
Tensile stress at break	-	lb/in <sup>2</sup>	ASTM D 638	8700
Izod notched impact strength	73 °F, 0.125 in	ft-lb/in	ASTM D 256	16
Flexural modulus	-	lb/in <sup>2</sup>	ASTM D 790	340000
Flexural stress at 5 % strain	-	lb/in <sup>2</sup>	ASTM D 790	12500
Rockwell hardness		M Scale	ASTM D 785	75
Rockwell hardness		R Scale	ASTM D 785	120
<b>Thermal properties</b>				
Deflection temperature under load, Unannealed	264 psi; 0.250 in	°F	ASTM D 648	266
Deflection temperature under load, Unannealed	66 psi; 0.250 in	°F	ASTM D 648	275
Vicat softening temperature	50 N, 50 °C/h	°F	ASTM D 1525	291
Coefficient of linear thermal expansion, flow/cross-flow		in/in/°F	ASTM D 696	3.34E-05
UL94 Flame Class	Thickness tested: 1.5 mm	Class	UL 94	V-2
UL94 Flame Class	Thickness tested: 3.0 mm	Class	UL 94	HB
UL94 Flame Class	Thickness tested: 6.0 mm	Class	UL 94	HB
Oxygen index		%	ASTM D 2863	28
Thermal conductivity		Btu*in/(h*ft <sup>2</sup> *°F)	ASTM C 177	1.39
Specific heat		Btu/(lb*°F)	ASTM D 2766	0.28
Relative temperature index, mechanical with impact	Thickness tested: 1.5 mm	°C	UL 746 B	115
Relative temperature index, mechanical without impact	Thickness tested: 1.5 mm	°C	UL 746 B	125
Relative temperature index, electrical	Thickness tested: 1.5 mm	°C	UL 746 B	125
<b>Electrical properties (23 °C/50 % r.h.)</b>				
Dissipation factor, Tinfoil electrodes	60 Hz	-	ASTM D 150	0.0009
Dissipation factor, Tinfoil electrodes	1 MHz	-	ASTM D 150	0.01
Dielectric constant, Tinfoil electrodes	60 Hz	-	ASTM D 150	3.0
Dielectric constant, Tinfoil electrodes	1 MHz	-	ASTM D 150	2.9
Volume resistivity, Tinfoil electrodes		Ohm-m	ASTM D 257	1.0E+14
Surface resistivity		Ohm	ASTM D 257	1.0 E+16
Dielectric strength	Short time under oil at 73 °F; 0.162 in	V/mil	ASTM D 149	810
<b>Other properties (23 °C)</b>				
Water absorption	73 °F; immersion to saturation	%	ASTM D 570	0.3
Water absorption	73 °F; immersion 24 h	%	ASTM D 570	0.12
Density		lb/in <sup>3</sup>	ASTM D 792	0.043
Specific volume		in <sup>3</sup> /lb	ASTM D 792	23.1
Specific gravity		-	ASTM D 792	1.2
<b>Material specific properties</b>				
Refractive index		-	ASTM D 542	1.586
Luminous transmittance (clear transparent materials)	0.125 in	%	ASTM D 1003	88
Haze for transparent materials	0.125 in	%	ASTM D 1003	< 0.8

## Disclaimer

### Standard Disclaimer

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### Typical Properties

Property data is provided as general information only. Property values are approximate and are not part of the product specifications.

### Flammability

Flammability results are based on small-scale laboratory tests for purposes of relative comparison and are not intended to reflect the hazards presented by this or any other material under actual fire conditions.

### Health and Safety

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling Bayer products mentioned in this publication. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized.

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#### Medical Disclaimer

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