



Makrolon 1260

Impact modified grades / Low viscosity

Global grade; MFR 36 g/10 min; Impact modified; Low viscosity; Easy release; Injection molding; Available in light colors only; Housings for long-range lamps; Switch components

ISO Shortname

ISO 7391-PC,MPR,(,)-24-9

Property	Test Condition	Unit	Standard	Value
Rheological properties				
Melt flow rate	300 °C / 1.2 kg	g/(10 min)	ASTM D 1238	36
Mold shrinkage, flow/cross to flow		in/in	ASTM D 955	0.005-0.007
Mechanical properties (23 °C/50 % r.h.)				
Tensile modulus	1 mm/min	lb/in ²	ASTM D 638	330000
Tensile stress at yield	-	lb/in ²	ASTM D 638	8700
Tensile elongation at yield	-	%	ASTM D 638	5.5
Tensile elongation at break	-	%	ASTM D 638	100
Tensile stress at break	-	lb/in ²	ASTM D 638	7200
Izod notched impact strength	73 °F, 0.125 in	ft-lb/in	ASTM D 256	11.5
Flexural modulus	-	lb/in ²	ASTM D 790	325000
Flexural stress at 5 % strain		lb/in ²	ASTM D 790	12500
Thermal properties				
Deflection temperature under load, Unannealed	264 psi; 0.250 in	°F	ASTM D 648	250
Deflection temperature under load, Unannealed	66 psi; 0.250 in	°F	ASTM D 648	271
Vicat softening temperature	50 N, 50 °C/h	°F	ASTM D 1525	288
Coefficient of linear thermal expansion, flow/cross-flow		in/in/°F	ASTM D 696	3.9E-05
UL94 Flame Class	Thickness tested: 1.5 mm	Class	UL 94	HB
Oxygen index		%	ASTM D 2863	30
Thermal conductivity		Btu*in/(h*ft ² *°F)	ASTM C 177	1.39
Electrical properties (23 °C/50 % r.h.)				
Dissipation factor, Tinfoil electrodes	60 Hz	-	ASTM D 150	0.0018
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	3.1
Volume resistivity, Tinfoil electrodes		Ohm·m	ASTM D 257	1.0E+14
Surface resistivity		Ohm	ASTM D 257	1.0E+16
Dielectric strength	Short time under oil at 73 °F; 0.162 in	V/mil	ASTM D 149	810
Other properties (23 °C)				
Water absorption	73 °F; immersion to saturation	%	ASTM D 570	0.40
Water absorption	73 °F; immersion 24 h	%	ASTM D 570	0.15
Density		lb/in ³	ASTM D 792	0.043
Specific volume		in ³ /lb	ASTM D 792	23.1
Specific gravity		-	ASTM D 792	1.20