

Kocetal® EL302

(POM+TPE)

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength	50	MPa	ASTM D 638
Elongation at Break	80	%	ASTM D 638
Flexural Modulus	2000	MPa	ASTM D 790
Flexural Strength	72	MPa	ASTM D 790
Rockwell Hardness	M 78	-	ASTM D 785
Izod Impact notched, 1/8 in	87	J/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	130	E-6/K	ASTM D 696
DTUL @ 66 psi	152	°C	ASTM D 648
DTUL @ 264 psi	92	°C	ASTM D 648
Melting Temperature	166	°C	ASTM D 3418
Electrical properties			
ASTM Data	Value	Unit	Test Standard
Dielectric Strength, Short Time	19	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.006	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	1E14	Ohm*cm	ASTM D 257
Other properties			
Value	Unit	Test Standard	
Water Absorption, 24hr	0.24	%	ASTM D 570
Density	1380	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

High impact or impact modified

Regional Availability

North America, Asia Pacific