

Kocetal® EL302BK

(POM+TPE)

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	50	MPa	ASTM D 638
Elongation at Break	70	%	ASTM D 638
Flexural Modulus	2000	MPa	ASTM D 790
Flexural Strength	71	MPa	ASTM D 790
Rockwell Hardness	M 78	-	ASTM D 785
Izod Impact notched, 1/8 in	85	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
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	Value	Unit	Test Standard
ASTM Data			
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
Density	1380	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Black

Regional Availability

North America, Asia Pacific

Special Characteristics

High impact or impact modified