

**Kocetal® UR302BK**

(POM+TPU)

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
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
<b>ASTM Data</b>			
Tensile Strength	53	MPa	ASTM D 638
Elongation at Break	80	%	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	74	MPa	ASTM D 790
Rockwell Hardness	M 70	-	ASTM D 785
Izod Impact notched, 1/8 in	95	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
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	90	°C	ASTM D 648
Melting Temperature	166	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
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 <sup>3</sup>	ASTM D 792

**Characteristics****Delivery form**

Black

**Regional Availability**

North America, Asia Pacific

**Special Characteristics**

High impact or impact modified