

Kocetal® UR303

(POM+TPU)

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.017	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	47	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	1880	MPa	ASTM D 790
Flexural Strength	68	MPa	ASTM D 790
Rockwell Hardness	M 65	-	ASTM D 785
Izod Impact notched, 1/8 in	109	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	148	°C	ASTM D 648
DTUL @ 264 psi	86	°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	1370	kg/m ³	ASTM D 792

Characteristics

Special Characteristics
High impact or impact modified

Regional Availability
North America, Asia Pacific