

NOPLA® KE101

Polyethylene Naphthalate + PET Copolymer

Kolon Plastics, Inc.

Message:

KE101 is Outstanding impact strength and Excellent clarity PEN-PET copolyester Grade.

General Information			
Features	Good Impact Resistance		
	High Clarity		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/1.05 kg)	8.1	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.070	%	ASTM D570
Intrinsic Viscosity	0.88	dl/g	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	88		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	60.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	460	%	ASTM D638
Flexural Modulus (23°C)	2850	MPa	ASTM D790
Flexural Strength (23°C)	92.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	77.0	°C	ASTM D648A
Melting Temperature	234	°C	ASTM D1525
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	V-2		UL 94

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Recommended distributors for this material

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