

KOPEL® KP3340HR

Thermoplastic Copolyester Elastomer

Kolon Plastics, Inc.

Message:

KOPEL® KP3340HR is a Thermoplastic Copolyester Elastomer (TPC-ET) product. It can be processed by extrusion and is available in Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	20.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	79	%	ASTM D638
Flexural Modulus (23°C)	95.1	MPa	ASTM D790
Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	4.00	mg	ASTM D1044
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	65.0	°C	ASTM D648A
Brittleness Temperature ¹	< -70.0	°C	ASTM D746
Peak Melting Temperature	170	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Solenoid Brittle Point		

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