

KOPEL® KP3355HR

Thermoplastic Copolyester Elastomer

Kolon Plastics, Inc.

Message:

KOPEL® KP3355HR 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	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/2.16 kg)	14	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	29.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	670	%	ASTM D638
Flexural Modulus (23°C)	211	MPa	ASTM D790
Taber Abrasion Resistance (1000 Cycles, CS-17 Wheel)	5.00	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	195	°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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