

KOPEL® KP3335HR

Thermoplastic Elastomer

Kolon Plastics, Inc.

Message:

low modulus injection/extrusion grade with 35 shore D hardness

General Information			
RoHS Compliance	RoHS compliance		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	18	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Transverse flow	0.83	%	ISO 294-4
Flow	0.92	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.62	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	38		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	14.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	900	%	ISO 527-2
Flexural Modulus (23°C)	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	No Break		ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ISO 306
Melting Temperature	165	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (0.8 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	100 - 110	°C	
Drying Time - Desiccant Dryer	3.0 - 6.0	hr	
Suggested Max Moisture	< 0.080	%	
Rear Temperature	140 - 160	°C	
Middle Temperature	160 - 190	°C	
Front Temperature	170 - 200	°C	
Nozzle Temperature	190 - 200	°C	

Mold Temperature

30 - 80

°C

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