KOLON PLASTICS, INC.

PRODUCT INFORMATION

General Grade 55D

KOPEL® KP3355

Polyester Elastomer Resin, General Grade 55D

Property		Test Method	Units	Value
Physical				
Specific Gravity		ASTM D792	-	1.19
Melt Index	220℃ * 2160g	ASTM D1238	g/10min	25
Shrinkage		ASTM D955	%	1.15
Water Absorption	23℃, Equilibrium 60%RH	ASTM D570	%	0.5
Thermal				
Melting Point		ASTM D3418	℃	200
Heat Deflection Temperature under Load		ASTM D648		
HDT/A	0.45 MPa (4.6 kg/cm^2)		℃	102
Solenoid Brittle Point		ASTM D746	℃	<-70
Flammability		UL 94		HB
Mechanical				
Tensile Strength	23℃	ASTM D638	kg/cm^2	315
Tensile Elongation	23℃	ASTM D638	%	765
Flexural Modulus	23℃	ASTM D790	kg/cm^2	2,150
Notched Izod Impact Strength	23℃	ASTM D256	kg·cm/cm	N/B
	-40℃	ASTM D256	kg·cm/cm	N/B
Hardness, Durometer		ASTM D2240	SHORE D-Type	55
Abrasion Resistance CS-17 Wheel		ASTM D1044	mg/1,000 cycles	5
Resilience			%	50

The information provided in this data sheet is based on our present state of knowledge and is estimated by KOLON PLASTICS, Inc. This information should not be used as guaranteeing specification limits. KOLON PLASTICS, Inc. make no warranty and liability in connection with any use of this information.

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