

## PRODUCT INFORMATION

General Grade 55D

# KOPEL<sup>®</sup> KP3355

Polyester Elastomer Resin, General Grade 55D

Property	Test Method	Units	Value	
<b>Physical</b>				
Specific Gravity	ASTM D792	-	1.19	
Melt Index                    220 °C * 2160g	ASTM D1238	g/10min	25	
Shrinkage	ASTM D955	%	1.15	
Water Absorption    23 °C, Equilibrium 60%RH	ASTM D570	%	0.5	
<b>Thermal</b>				
Melting Point	ASTM D3418	°C	200	
Heat Deflection Temperature under Load HDT/A    0.45 MPa ( 4.6 kg/cm <sup>2</sup> )	ASTM D648	°C	102	
Solenoid Brittle Point	ASTM D746	°C	<-70	
Flammability	UL 94		HB	
<b>Mechanical</b>				
Tensile Strength                    23 °C	ASTM D638	kg/cm <sup>2</sup>	315	
Tensile Elongation                    23 °C	ASTM D638	%	765	
Flexural Modulus                    23 °C	ASTM D790	kg/cm <sup>2</sup>	2,150	
Notched Izod Impact Strength	23 °C	ASTM D256	kg·cm/cm	N/B
	-40 °C	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	

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