

General Grade 55D

KOPEL[®]

Polyester Elastomer Resin, General Grade 55D

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.19
Melt Index220 °C * 2160g	ASTM D1238	g/10min	25
Shrinkage	ASTM D955	%	1.15
Water Absorption23 °C , Equilibrium 60%RH	ASTM D570	%	0.5
Thermal			
Melting Point	ASTM D3418	°C	200
Heat Deflection Temperature under Load	ASTM D648		
HDT/A0.45 MPa (4.6 kg/cm ²)		°C	102
Solenoid Brittle Point	ASTM D746	°C	<-70
Flammability	UL 94		HB
Mechanical			
Tensile Strength23 °C	ASTM D638	kg/cm ²	315
Tensile Elongation23 °C	ASTM D638	%	765
Flexural Modulus23 °C	ASTM D790	kg/cm ²	2,150
Notched Izod Impact Strength23 °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

