

PRODUCT INFORMATION

Extrusion Grade 55D

KOPEL[®] KP3755

Polyester Elastomer Resin, High Viscosity, Extrusion Grade

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.18
Melt Index	200 °C * 2160g ASTM D1238	g/10min	12
Shrinkage	ASTM D955	%	0.1
Water Absorption	23 °C, Equilibrium 60%RH ASTM D570	%	0.5
Thermal			
Melting Point	ASTM D3418	°C	199
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		°C	100
Solenoid Brittle Point	ASTM D746	°C	< -70
Flammability	UL 94		HB
Mechanical			
Tensile Strength	23 °C ASTM D638	kg/cm ²	365 (36)
Tensile Elongation	23 °C ASTM D638	%	650.0
Flexural Modulus	23 °C ASTM D790	kg/cm ²	1,750 (172)
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		%	56

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