

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

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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