

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 HDT/A 0.45 MPa (4.6 kg/cm ²)	ASTM D648	°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

**KOLON PLASTICS, Inc.**