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Cablethane™ TPU	Technical Data Sheet	
Fully Compounded Thermoplastic Polyurethane	Date of Origin:	5/25/2021
	Latest Revision:	11/2/2021

Description: Cablethane™ is a fully-compounded black TPU for extrusion and injection molding applications in wire and cable.

Material Property	Typical Values	Test Method
Specific Gravity	1.42	ASTM D792
Melt Flow Rate (190°C @ 2.16kg, (g/10 min)	8-9	ASTM D1238
Tensile Strength at Break (psi)	3600	ASTM D412
Elongation at Break (%)	540	ASTM D412
90°C Temperature Rating	Pass	ASTM D412
Limiting Oxygen Index	32%	ASTM D2863
Hardness (Shore A)	83	ASTM D2240
RoHS Compliant	Yes	-

ASTM Test methods are listed for reference only. Actual testing performed according to modified equipment and conditions. Specific test methods available upon request. The data presented here is intended for product selection purposes only. Typical properties represent data characteristics of the product, but do not necessarily reflect minimum values during normal testing. Please consult CCG Customer Service for detailed specifications.

Processing References:

Parameter	Value
Extruder Zone 1	300°F
Extruder Zone 2	310°F
Extruder Zone 3	315°F
Extruder Zone 4	315°F
Flange	315°F
Head	310°F
Die	250°F*

*Processing Note – The process reference die temperature is too low for start-up. At start up, set the die temperature to 310°F and begin to bleed out material at 10-15 RPM for 2-3 minutes. After this point, lower the die temperature to 250°F.