



HUDSON EXTRUSIONS, INC.

P.O. BOX 255 HUDSON, OHIO 44236 Since 1956

QUALITY PROFILES & TUBING AT COMPETITIVE PRICES

HUDSON BLACK TPV 64

Typical Mechanical Properties	Typical Values	Test Method
Tensile Stress at 100% elongation, perpendicular	410 psi	ISO 37
Stress at break, perpendicular	938 psi	ISO 527-1/-2 or ISO 37
Elongation at break, perpendicular	450 %	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	70	ISO 48-4 / ISO 868
Compression set, 70°C, 24h	25 %	ISO 815
Compression set, 125°C, 70h	44 %	ISO 815
Tear Strength, normal	22.9 kN/m	ISO 34-1
Thermal Properties	Typical Values	Test Method
RTI, electrical, 1.5mm	194 °F	UL 746B
RTI, electrical, 3.0mm	194 °F	UL 746B
RTI, strength, 1.5mm	194 °F	UL 746B
RTI, strength, 3.0mm	203 °F	UL 746B
Specific Application Suitability	Typical Values	Test Method
Continuous Upper Temperature Resistance, 1000h	275 °F	SAE J2236
Detergent resistance	f3	UL 749
Detergent resistance	f4	UL 2157
Outdoor Suitability	f1	UL 746C
Flammability	Typical Values	Test Method
Burning Behav. at 1.5mm nom. Thickn.	HB class	IEC 60695-11-10
Thickness tested	0.0591 in	IEC 60695-11-10
UL recognition	yes	UL 94
Burning Behav. at thickness h	HB class	IEC 60695-11-10
Thickness tested	0.0394 in	IEC 60695-11-10
UL recognition	yes	UL 94
Burning rate, Thickness 2 mm	0.934 in/min	ISO 3795 (FMVSS 302)
Electrical Properties	Typical Values	Test Method
Relative permittivity, 60Hz	2.5	IEC 62631-2-1
Arc Resistance Performance Level Category	PLC 6 class	UL 746B
High Amperage Arc Ignition Category, 1.5 mm	PLC 0 class	UL 746A
Physical/Other properties	Typical Values	Test Method
Density	0.035 lb/in ³	ISO 1183

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