

SPS Guang Zhou POFLEXâ„ž EP8300 Cable Grade TPU

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Non-halogen flame-retarded TPU material TPU POFLEXâ„ž EP8300 is used to produce wire and cable. Halogen-free with good flammability and excellent mechanical property and heat resistance. Information Provided by SPS (Guang Zhou) Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SPS-Guang-Zhou-POFLEX-EP8300-Cable-Grade-TPU.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	ISO 868
	@Time 3.00 sec	@Time 0.000833 hour	
Tensile Strength, Yield	7.50 MPa	1090 psi	100% Elongation; ASTM D412
	9.50 MPa	1380 psi	300% Elongation; ASTM D412
	26.0 MPa	3770 psi	ASTM D412
Elongation at Break	780 %	780 %	ASTM D412
Modulus of Elasticity	0.00700 GPa	1.02 ksi	50% Elongation; ASTM D412
Tear Strength	100 kN/m	571 pli	ASTM D624
Abrasion	30	30	loss; ASTM D1044

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	vertical burn
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	33 %	33 %	ASTM D2863

Descriptive Properties	Value	Comments
VW-1 Testing	Passed	UI1581

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