

April 2012

4785

Product Advantages: Low Die Drool. Recyclable TPV that processes like a Thermoplastic and acts like a Rubber

Nominal Physical Properties	Test Method	Unit	4785
Density	ISO 1183	g/cm ³	0.88
Melt Flow (230°C/10Kg)	ISO 1133	g/10min	40
Durometer Hardness (10 second delay)	ISO 868	Shore A	65
Tensile Modulus (M100 / 100% Modulus)	ISO 37 (500mm/min, Die C)	MPa	2.2
Tensile Strength	ISO 37 (500mm/min, Die C)	MPa	10.0
Tensile Elongation	ISO 37 (500 mm/min, Die C)	%	800
Compression Set (22 hrs at 23 °C)	ASTM D395	%	32
Compression Set (22 hrs at 70 °C)	ASTM D395	%	48
Notched Izod Impact at -30 °C	ISO 180	---	NB

Typical Applications:

- Films / Skins / Foils
- Body Seals / Weather Stripping
- Hoses, Tubes, and Profile Extrusion

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ESPOLLEX®

THERMOPLASTIC ELASTOMER

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Extrusion Equipment Recommendations

Extruder Type	Twin Screw or Single Screw with Mixing Zone
Single Screw Type	Full Flight General Purpose with L/D Ratio > 20:1 & 3:1 Compression Ratio

Processing Guidelines

Feed Zone	90 °F – 210 °F
Kneading Zone	360 °F – 395 °F
Die	395 °F – 430 °F

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