

May 2012

4832

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

Nominal Physical Properties	Test Method	Unit	4832
Density	ISO 1183	g/cm ³	0.875
Melt Flow (230°C/10Kg)	ISO 1133	g/10min	15
Durometer Hardness	ISO 868	Shore A	
Instantaneous			80
10 second delay			73
Tensile Modulus (M100 / 100% Modulus)	ISO 37 (500mm/min, Die C)	MPa	3.3
Tensile Strength	ISO 37 (500mm/min, Die C)	MPa	8.0
Tensile Elongation	ISO 37 (500 mm/min, Die C)	%	650
Compression Set (22 hrs at 23 °C)	ASTM D395	%	35
Compression Set (22 hrs at 70 °C)	ASTM D395	%	52
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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ESPOLEX®

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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