ESPOLEX®

THERMOPLASTIC ELASTOMER

May 2013

6772

Product Advantages: TPV with Excellent Compression Set. Processes like a Thermoplastic and acts like a Rubber

Nominal Physical Properties	Test Method	Unit	6772
Density	ISO 1183	g/cm³	0.88
Melt Flow (230°C/10Kg)	ISO 1133	g/10min	30
Compression Set (22 hrs @ 70 °C)	ASTM D395	MPa	25
Tensile Modulus at 100% Elongation (M100)	ISO 37 (500 mm/min, Die C)	MPa	3.4
Tensile Strength	ISO 37 (500mm/min, Die C)	MPa	12
Tensile Elongation	ISO 37 (500 mm/min, Die C)	%	520
Durometer Hardness	ASTM D2240	Shore A	70
Tear Strength (un-nicked angle)	ISO 34	kN/m	30
Oil Resistance Delta V 100 °C, 22hr	JIS K6258	%	59

Typical Applications:

- Body Seal / Weather stripping
- Interior or Exterior Trim & Over-mold
- Injection Molded & Extruded Parts

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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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