



DEXFLEX 727

DESCRIPTION:

DEXFLEX[®] 727 is a thermoplastic olefinic elastomer (TPO) designed for automotive exterior applications that require a combination of stiffness, good low-temperature impact resistance, and excellent processability.

APPLICATIONS:

Claddings, rocker panels, body side moldings, and other large components that must exhibit durable paintability or excellent weatherability

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
PHYSICAL			
Density	0.96	g/cm ³	ISO 1183
As Molded Mold Shrinkage	.008 - .011	mm/mm	ISO 294
After Bake Mold Shrinkage	.009 - .012	mm/mm	ISO 294
Melt Flow Rate	14.0	g/10 min	ISO 1133
MECHANICAL			
Flexural Modulus	1250	MPa	ISO 178 80x10x4mm specimen, 2 mm/min
Tensile Strength at Yield	19.0	MPa	ISO 527-1 and 527-2 150x10x4 mm specimen, 50 mm/min
Multiaxial Impact Strength @ 23°C	20	J	ASTM D3763 2.2 m/s
THERMAL			
CLTE	7.0 x 10 ⁻⁵	mm/mm/°C	ASTM E228 -30°C to 80°C

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