



DEXFLEX 1210

DESCRIPTION:

DEXFLEX® 1210 is a thermoplastic olefinic elastomer (TPO) designed for automotive interior applications that require excellent low-temperature impact resistance. This material exhibits outstanding on-part performance when tested for impact at -30°C, and can be integrally colored for mold-in-color applications.

APPLICATIONS:

Interior door scuff moldings

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
PHYSICAL			
Hardness	55	Shore D	ASTM D-2240
Density	0.92	g/cm ³	ISO-1183 <i>Method A</i>
Mold Shrinkage-After Bake 30 min @ 120°C	.0134	in/in	ISO-2577 <i>Plaque data</i>
As Molded Shrinkage 48 hr @ 23°C	.0111	In/in	ISO-2577 <i>Plaque data</i>
Melt Flow Rate	8.3	g/10 min	ISO-113 <i>230°C, 2.16 kg.</i>
MECHANICAL			
Flexural Modulus	94,000 (648)	psi (MPa)	ASTM D-790 <i>0.5 in/min, 1M, TAN</i>
Tensile Strength-Yield	(16.1)	(MPa)	ISO-527 <i>23°C, 50 mm/min</i>
Elongation @ Break	600	%	ASTM D-638
Tear Strength	350 (61)	Lb/in (kN/m)	ASTM D-1004 <i>2 in/mm</i>
Gardner Impact @ Room Temperature	>160 (18)	In-lb (J)	ASTM D-3029, G
@ -30°C	>240 (27)	in-lb (J)	
THERMAL			
CLTE	9.0 x 10 ⁻⁵	mm/mm/°C	ASTM D-696, <i>Modified</i>

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