

OR-1000™

Oxidation Resistant System Product Data Sheet

Hexene MDPE Rotational Molding Resin

Applications

- Oxidation resistant system for High Density Crosslinked Polyethylene
- Hazardous Chemical Storage Containers
- Water Treatment Chemical Storage Containers

Features

- 4x anti-oxidant package
- Low temp impact strength
- Excellent ESCR
- Wide processing window
- UV Stabilizers
- NSF/ANSI 61 Certified
- Food, Drug and Cosmetic Act Compliant

Property (1)	Value	Unit	Test Method
Melt Index (190°C,2.16kg)	3.5	g/10 min	ASTM D 1238
Density	0.938	g/cm ³	ASTM D 792
ESCR 100% igepal	>1000	Hrs	ASTM D 1693
ESCR 10% igepal	110	Hrs	ASTM D 1693
Flexural modulus	860 (124700)	Mpa (psi)	ASTM D 790
Tensile Strength	20.6 (3000)	Mpa (psi)	ASTM D 638
Heat Distortion Temp @ 66 psi	49	°C	ASTM D 648
Heat Deflection Temp @ 264 psi	38	°C	ASTM D 648
ARM Low Temp Impact 3.17 mm	70	J	ARM Method
ARM Low Temp Impact 6.35	220	J	ARM Method

(1) The values indicated in the table describe typical properties; they do not constitute specification limits.



CERTIFIED TO
NSF/ANSI 61



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