

# Paxon™ 7000 Series

High Density Polyethylene Resin

ExxonMobil Chemical

## Message:

Paxon™7000 series cross-linked metallocene high density polyethylene resin has excellent environmental stress cracking resistance, toughness, heat resistance, impact resistance and notch failure resistance. These resins can be ideally used in Paxon applications where the filling rate of spare parts and excellent performance of finished parts are required during processing.™7000 series of grades have long-term UV stability.

General Information			
Physical	Nominal Value	Unit	Test Method
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal, F0	> 1000	hr	ASTM D1693
100% Igepal, F0	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	18.6	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant	758	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°C, 3.18 mm	87	J	ARM
-40°C, 6.35 mm	230	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	58.0	°C	ASTM D648
1.8 MPa, not annealed	38.0	°C	ASTM D648
Additional Information			
'- 除了 ESCR 是基于模压样本测定之外,所有物理性能均基于 3 mm 的滚塑样本 测定,除非注明的是其他值. 可以修改测试流程以适应操作条件或设施限制.			
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NOTE			
1.	50 mm/min		
2.	50 mm/min		

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