

Paxon™ 7000 Series

High Density Polyethylene Resin

Product Description		Key Features		
Paxon™ 7000 series of crosslinkable mHDPE resins are designed to offer outstanding ESCR, toughness, thermal, impact and notch failure resistance. These resins are ideally suited for applications that require excellent part fill during processing and outstanding finished part performance. Paxon™ 7000 series grades are all supplied with long term UV stabilization.		AddPacks: Paxon™ 7003 (Natural) - Pellet Paxon™ 7004 (Natural) - 20 and 35 US Mesh Powders Paxon™ 7203 (Black) - Pellet Paxon™ 7204 (Black) - 20 and 35 US Mesh Powders		
General				
Availability ¹	<ul style="list-style-type: none"> Latin America 	<ul style="list-style-type: none"> North America 		
Applications	<ul style="list-style-type: none"> Agricultural Products Automotive Components 	<ul style="list-style-type: none"> Chemical Storage Tanks Large Refuse Containers 	<ul style="list-style-type: none"> Marine Fuel Tanks Recreational Vehicle - Fuel Tanks 	
Revision Date	<ul style="list-style-type: none"> 01/13/2016 			
Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On	
Crosslink Potential	2.5	2.5	ExxonMobil Method	
Thermal	Typical Value (English)	Typical Value (SI)	Test Based On	
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	136 °F	58 °C	ASTM D648	
Deflection Temperature Under Load (DTUL) at 264psi - Unannealed	100 °F	38 °C	ASTM D648	
Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On	
Tensile Strength at Yield 2.0 in/min (50 mm/min)	2700 psi	19 MPa	ASTM D638	
Elongation at Yield (2.0 in/min (50 mm/min))	10 %	10 %	ASTM D638	
Elongation at Break	390 %	390 %	ExxonMobil Method	
Flexural Modulus - 1% Secant	110000 psi	760 MPa	ASTM D790B	
Environmental Stress-Crack Resistance			ASTM D1693	
10% Igepal, FO	> 1000 hr	> 1000 hr		
100% Igepal, FO	> 1000 hr	> 1000 hr		
Impact	Typical Value (English)	Typical Value (SI)	Test Based On	
Impact Strength			ARM	
-40°F (-40°C), 0.125 in (3.18 mm)	64 ft·lb	87 J		
-40°F (-40°C), 0.250 in (6.35 mm)	170 ft·lb	230 J		

Additional Information	
<ul style="list-style-type: none"> All physical properties were measured on 3 mm rotomolded samples unless a different value is shown, except for ESCR, which was measured on compression molded samples. Test procedures may be modified to accommodate operating conditions or facility limitations. 	

Legal Statement
This product is not intended for use in food contact application.
This product is not intended for use in medical applications and should not be used in any such applications.

Notes
Typical properties: these are not to be construed as specifications.
¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

Paxon™ 7000 Series
High Density Polyethylene Resin

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

©2020 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com